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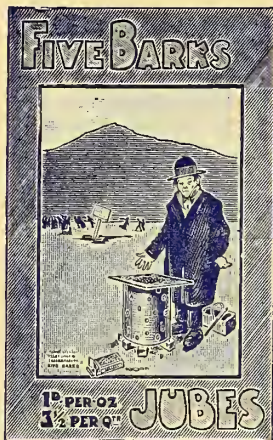
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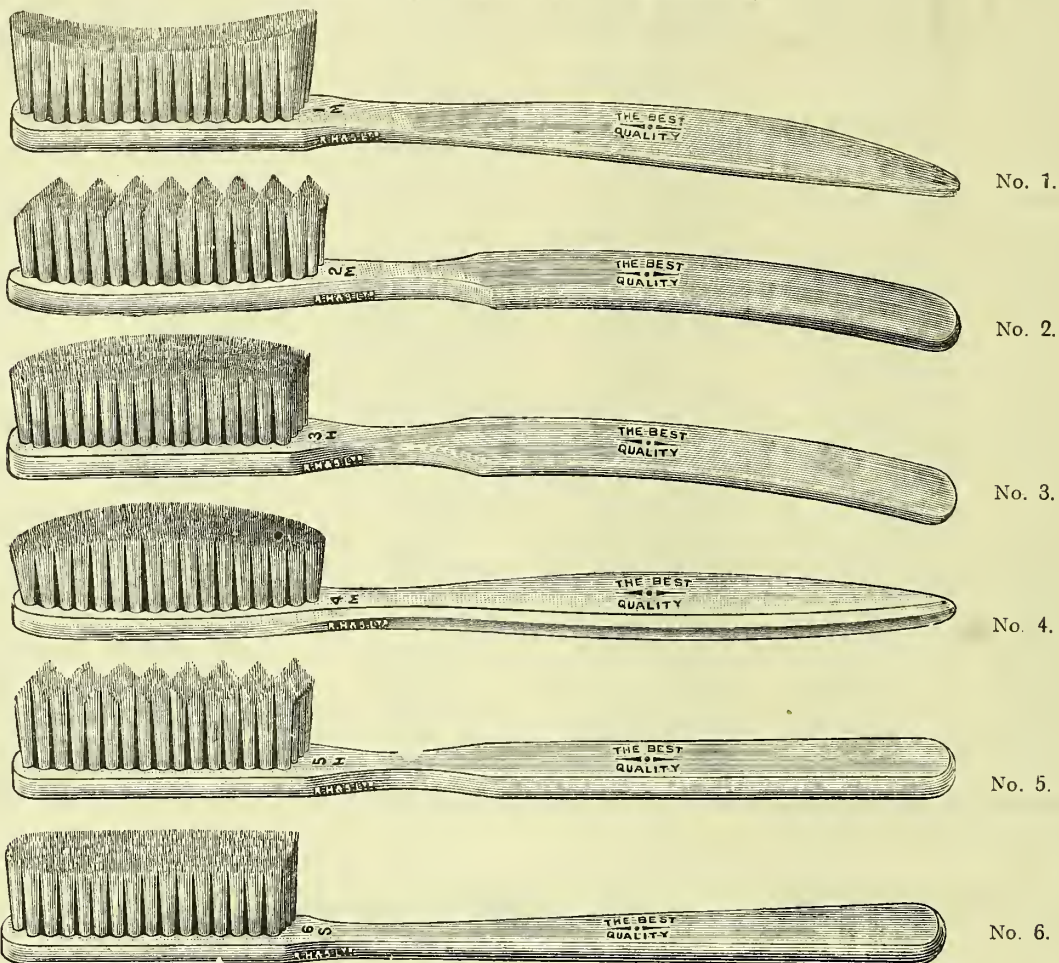


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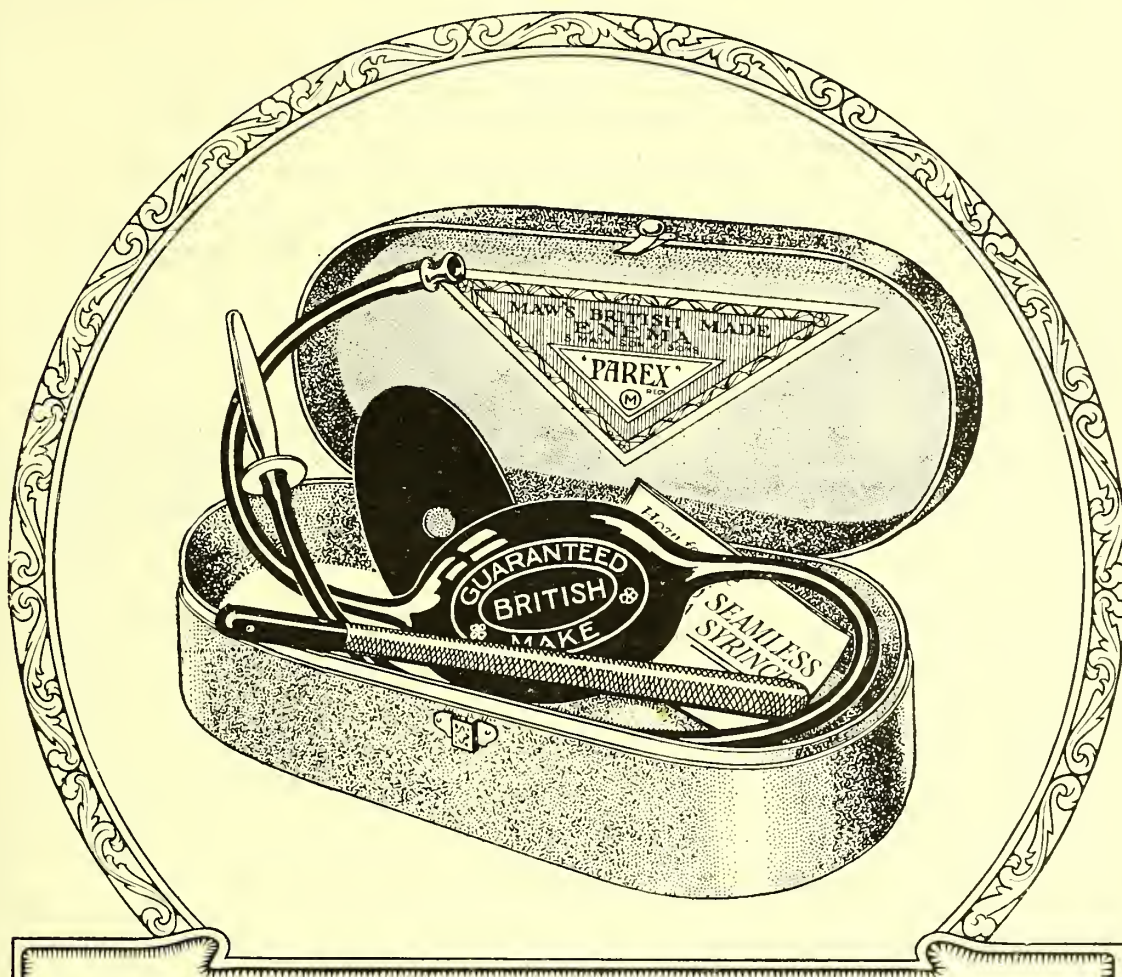
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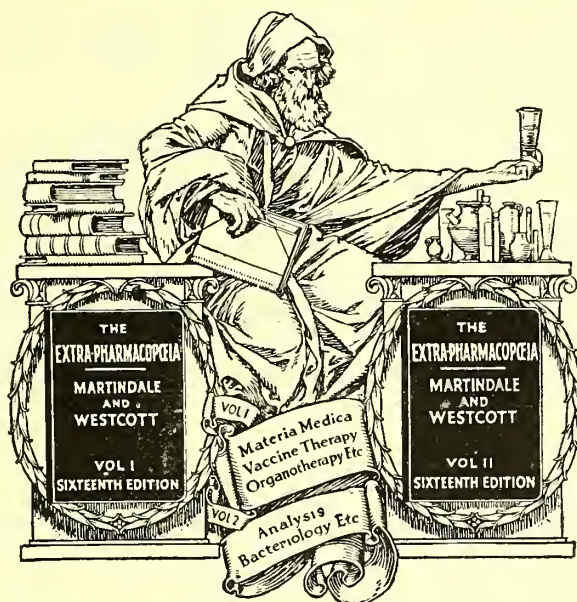
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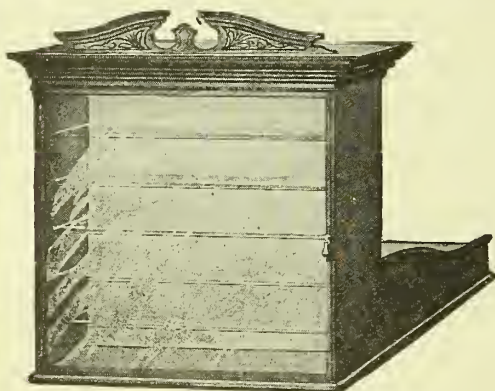
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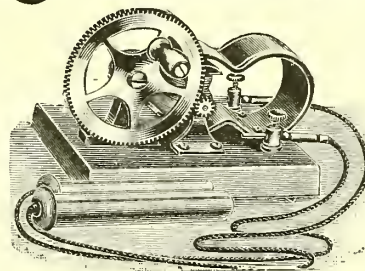
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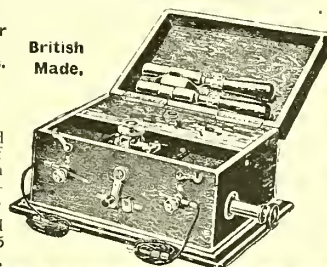
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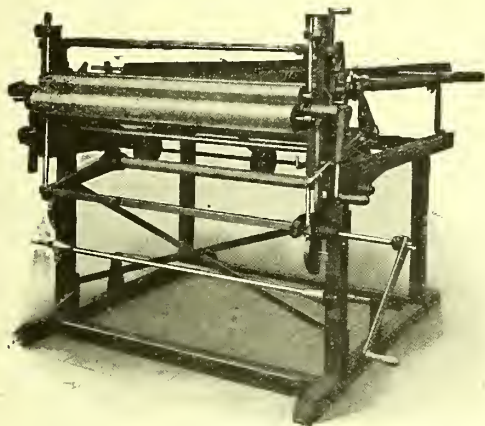
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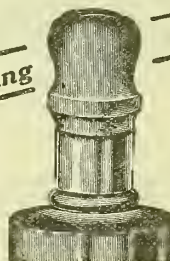
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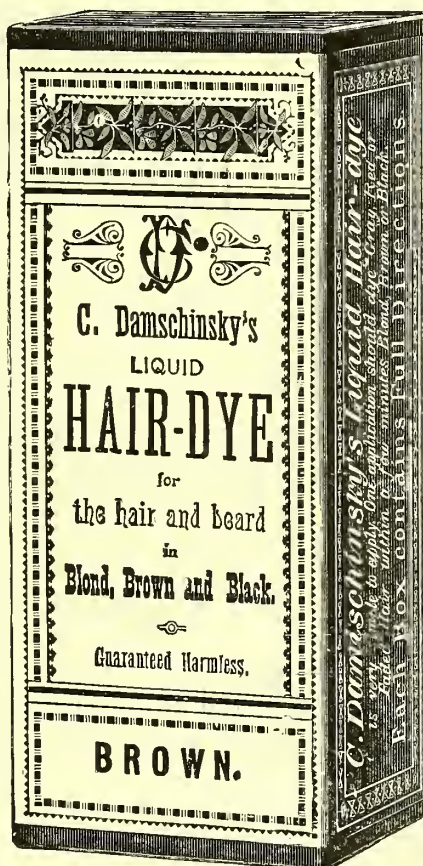
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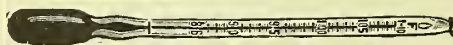
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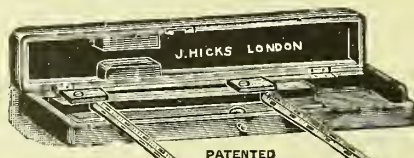
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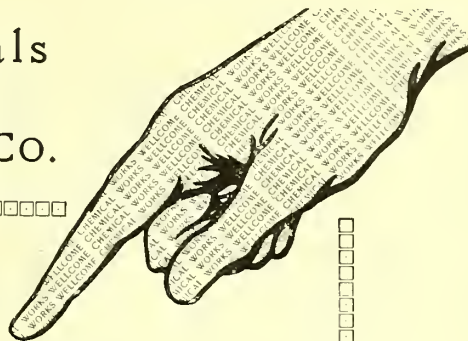
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#### In the Coloured Supplement.

Belgian Refugees.	New Books.
Coming Events.	Trade Topics at Manchester.

### Summary.

The January Minor examinations have resulted in many additions to the Register (p. 52).

Several companies connected with the drug-business have been removed from the Register (p. 41).

Cogent remarks on illegible prescriptions are reprinted from the "British Medical Journal" (p. 44).

Pharmacy business in India is exceptionally good at present, considering the war conditions (p. 40).

An Aspirin trade-mark matter was heard by the Comptroller-General on Thursday. The hearing is reported on p. 53.

Over-prescribing under the National Insurance Act is discussed on p. 46, and Mr. Granville Shaw communicates observations on discounting (p. 49).

Among the deaths recorded are Professor Liebermann, Berlin, whose work on alkaloids is well known, and Mr. Henry Lloyd, of Richmond, Surrey (p. 42).

This week's war news includes an illustrated description of the operations in German East Africa by Sergeant McGeorge, who is on the medical contingent of the Field Force (p. 34).

The aniline-dye manufacturing proposal referred to on p. 58 is likely to fall through. The Board of Trade Committee met on Wednesday, and adjourned for a week. On Thursday representatives of the Royal Society and other learned Societies met to consider the situation, which appears to be dominated largely by German influence.

Chemical and drug market business has been fair this week, with advances in a number of articles and a firmer tendency in others. Drug-auctions were held on Thursday, when a large amount of Tinnevely senna changed hands. Special letters on the American and German markets are included in our Trade Report, and a further list of imports of chemical and drug produce (pp. 54-57).

### Winter Issue of the "C. & D."

For this issue, to be published on Saturday, January 30, the Publisher will accept circulars and price-lists for insertion as insets. Full particulars may be obtained from him on application.

## European War.

**Trading with the Enemy.**—Two sets of rules were gazetted on January 12 in regard to the conditions under which enemy property in this country is to be controlled. The rules have been made by the Lord Chancellor under the Trading with the Enemy Act, 1914. Applications in respect to alien enemy's property have to be made to the Chancery Division of the High Court. The first set of rules is made under Section 4 of the Act, and the second set under Section 7. They are of a highly technical nature, but are important; hence this note.

### Pharmaceutical Roll of Honour.

*Non sibi sed patriæ.*—CICERO.

#### SEVENTEENTH LIST.

BLACKMORE, Frank, Ph.C., Weston-super-Mare, National Reserve (Royal Gloucestershire Artillery).

CANTHORNE, R. E., Withington, Manchester.

CHEERETT, Ernest Hollis (second son of Mr. E. R. Cherrett, chemist and druggist, Monkwearmouth), Durham Royal Garrison Artillery, Heavy Battery (Service).

DAWE, Walter R. (formerly with Mr. Alban Atkin, chemist and druggist, West End Lane, West Hampstead, London, N.W.), R.A.M.C. (City of London).

ELMER, Ernest J. (formerly assistant with Keene & Ashwell, New Bond Street, London, W.), R.A.M.C., 2nd London Sanitary Company.

LANCASHIRE, H. M. (son of Mr. H. M. Lancashire, Ph.C., Church Street, Ballymena), Service Battalion Royal Irish Rifles.

MCGLASHAN, Second-Lieut. D. A. (son of Mr. Duncan McGlashan, chemist and druggist, 12 West End Place, Edinburgh), 1st Highland Battalion Royal Scots.

WOOD, Norman (second son of Mr. Vincent Wood, Victoria House, Blackfriars Bridge, London, S.E.).

Colonel Ralph K. Harvey (The British Drug Houses, Ltd.) has been serving with his battalion of the Kent Territorials since the outbreak of the war, and is now in India.

FROM the staff of Henry Hodder & Co., Ltd., Bristol, the following are serving with the Colours: W. D. Davis (Highland Light Infantry), E. Tucker, O. Munday, and E. Smith (Royal Army Medical Corps), Corporal H. Griffiths (North Somerset Yeomanry), A. Walters and G. Cooksley (4th Gloucesters), and P. Knight (Royal Field Artillery). Jack Carpenter (Liverpool Rifles) and Fred Carpenter (6th Gloucesters), two sons of Mr. E. Carpenter, managing director, have also enlisted.

#### Trading with the Enemy.

The following extract from a Proclamation gazetted on January 8, having been approved by the King the previous day, is a modification of the Proclamation of September 9 (C. & D., September 12, 1914, p. 34):

1. Notwithstanding anything contained in paragraph 6 of the Trading with the Enemy Proclamation No. 2 transactions hereafter entered into by persons firms or companies resident carrying on business or being in the United Kingdom—

(a) in respect of banking businesses with a branch situated outside the United Kingdom of an enemy person, firm or company, or

(b) in respect of any description of business with a branch situated outside the United Kingdom of an enemy bank,

shall be considered as transactions with an enemy:

Provided that the acceptance payment or other dealing with any negotiable instrument which was drawn before the date of this Proclamation shall not, if otherwise lawful, be deemed to be a transaction hereafter entered into within the meaning of this paragraph.

2. The power to grant licences on Our behalf vested by paragraph 8 of the Trading with the Enemy Proclamation No. 2 in a Secretary of State, or the Board of Trade, may also be exercised by the Lords Commissioners of Our Treasury.

[Paragraph 6 referred to:

Provided always that where an enemy has a branch locally situated in British, allied or neutral territory, not being neutral territory in Europe, transactions by or with such branch shall not be treated as transactions by or with an enemy.]

#### Trading with the Enemy Abroad.

British wholesale druggists and exporters dealing with German chemists and druggists in Bangkok, Siam, of whom there are quite a number, will be interested in the following

B



pronouncement of the German Chargé d'Affaires (which appears in the "Bangkok Times"), dealing with the responsibilities of local German firms towards British firms in this country:

"This morning a representative of this paper called on Dr. Remy at the German Legation, and asked if it were true, as is being reported, that Germans in Siam have been ordered not to pay bills to British firms or to deal further with British firms.

Dr. Remy replied that he had received a draft of a law with regard to Great Britain, and it was a reply to the British law regarding payments to Germany. It referred only to Great Britain, and not to other enemy countries. It followed exactly the same lines as the British law, and was in all respects a mere act of retaliation against the previous similar British Act.

For us here the important point is that the law affects only payments to be made, directly or indirectly, by German subjects to persons, firms, etc., in Great Britain and Ireland, or to persons, firms, etc., in a British Colony, but does not affect payments to British subjects residing in neutral countries.

Here Dr. Remy was sure that Germans would treat British firms exactly as German firms had been or would be treated by British.

Dr. Remy emphasised the view that the law was a counter-action against the action taken by Great Britain, and nothing would be done which was not done on the British side. As regards things already bought, money owing could be deposited, as had been done by certain British firms."

Business with enemy banks abroad has been forbidden by a special Proclamation published in a supplement to the "London Gazette" of January 7, which states that "transactions entered into by persons, firms, or companies resident, carrying on business, or being in the United Kingdom—

(a) in respect of banking business with a branch situated outside the United Kingdom of an enemy person, firm, or company; or

(b) in respect of any description of business with a branch situated outside the United Kingdom of an enemy bank, shall be considered as transactions with an enemy:

Provided that the acceptance, payment, or other dealing with any negotiable instrument which was drawn before the date of this Proclamation shall not, if otherwise lawful, be deemed to be a transaction hereafter entered into within the meaning of this paragraph."

His Majesty's Minister at Peking has been instructed by the Foreign Office to issue urgent King's Regulations applying the Proclamations of September 9, October 8, and October 26, relating to trading with the enemy, to all British subjects in China. The effect of such Regulations is to prohibit British subjects in Shanghai or other places in China from entering into the transactions prohibited in the Proclamations in question with any person or body of persons resident or carrying on business in Germany, Austria-Hungary, or Turkey, and in the colonies and dependencies thereof, or with the agents in China of any such person or body of persons, if the transaction is in effect one with the head office. Transactions between British subjects in China and branches of "enemy" firms (as defined in the Proclamation of September 9) situated in neutral territory in Europe are also prohibited. It will be observed that transactions between British traders in the United Kingdom and in China, and German, Austro-Hungarian, or Turkish subjects and firms commercially domiciled in China are not expressly prohibited. It is the opinion of his Majesty's Government, however, that such transactions are undesirable at the present time.

#### Personalia.

Mr. W. I. Scholes, chemist and druggist, Eccles, has been nominated by the Pharmaceutical Society for election as a member of the Lancashire County Relief Committee.

Mr. T. H. Dobson, chemist and druggist, Skipton, Yorks., has been appointed to supply drugs, etc., to the 10th (Bradford) Service Battalion (Prince of Wales's Own) West Yorkshire Regiment, encamped at Skipton.

#### Miscellaneous.

The London University authorities are to make arrangements for special Intermediate examinations for refugee students, external and internal.

Japan has prohibited the export of yellow and red phosphorus, caustic soda, soda ash, borate of soda, chlorate of potash, glue of foreign manufacture, artificial indigo, alizarine dyes, and aniline dyes.

The prohibition of the export of tea to all foreign ports in Europe and on the Mediterranean and Black Seas, other than those of the Allies, has been withdrawn. At the same

time the export of cocoa to the above-mentioned ports is prohibited.

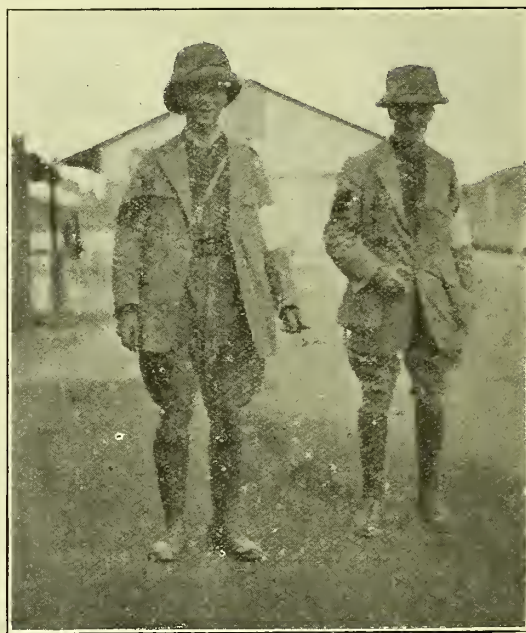
**VASELINE FOR THE FRONT.**—Lord Kitchener has accepted from the Chesebrough Manufacturing Co., Holborn Viaduct, another 50,000 tins of vaseline for the use of the British troops in France and Flanders, as well as another 50,000 tins for the use of the Indian troops there.

**HELP SERBIA.**—Mr. J. Farrage Ridley, chemist and druggist, Rothbury, Northumberland, appeals for aid for the Serbian Red Cross Hospitals. Mr. Ridley's brother, Dr. W. R. Ridley, was until his death head of the hospitals at Kragujevatz, and was much distressed at the lack of surgical dressings. Mr. Ridley appeals to British chemists to send him parcels of lint, cotton-wool, gauze, Gamgee tissue, hydrarg., perchlor. tablets, and bandages addressed to him at Farrages, Ltd., Rothbury. It is hoped to dispatch a consignment of dressings to Serbia by the end of January.

**FROSTBITE.**—Dr. E. G. Fearnside and Lieutenant Millais Culpin, F.R.C.S., R.A.M.C., have published ("British Medical Journal," I, 1915, 84) a preliminary note on an investigation of the condition which has come to be known as frostbite among the British Expeditionary Force on the Continent. These investigators conclude that the cases referred to are not those of frostbite, but are a gangrenous condition brought on by stoppage of the circulation in the feet from the pressure of wet and tight boots. A second group of cases, where the subjective manifestations are in excess of the objective signs, are believed to have a mental origin. In regard to prophylaxis, the research indicates that measures should be taken against the postural causative factor. The long-continued dependent position of the feet should be prevented.

#### The East African Campaign.

A message from Nairobi sent on December 15 to Cape Town, thence by cable on January 4, states that H.M.S. *Fox* and H.M.S. *Goliath* have carried out successful operations at Dar-es-Salaam. The enemy was bombarded, the town suffering considerably in consequence. All the enemy's vessels in the harbour were entirely disabled. Fourteen Europeans and twenty natives were taken prisoners. Our losses were one killed and twelve



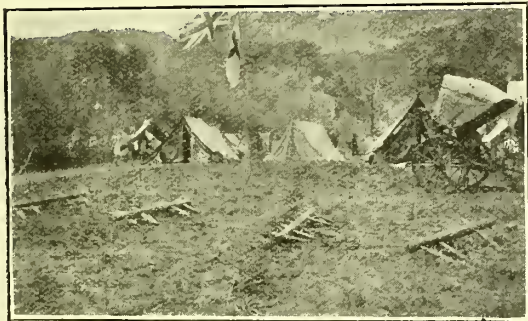
SERGEANTS McGEORGE AND WHITE.  
The Nairobi Station forms the background.

wounded. Dar-es-Salaam is in German East Africa, and south of Zanzibar. In our issue of December 12, p. 774, we printed a letter written by Mr. D. McGeorge, chemist and druggist, of Messrs. Howse & McGeorge, Nairobi, British East Africa, who is serving as a sergeant in the medical service of the East African Mounted Rifles. By this week's mail we have received another letter



from him with many interesting photographs, from which we make selections. The letter is dated Nairobi, November 29, 1914, and describes operations many miles north-west of Dar-es-Salaam, but the name of the locality and certain details are necessarily withheld for the present:

Since last writing to you I have seen some actual fighting and had a rather strenuous time, and am now on leave in



SECTION OF THE EXPEDITION'S HOSPITAL CAMP.

Nairobi awaiting further orders to proceed to camp and duties again.

The usual vagaries of camp-life in these parts were endured—viz., lions stampeding mules at night-time, rhinos charging our transports, giraffes pulling down our telegraph-wires, white ants eating through out kit, stink-ants stinking us out of tents, and all sorts of vermin ramificating our food—until this monotony was broken by the welcome news that in a few days we would proceed to — and try to drive the Germans out of their position.

On the night of November 2 we assembled, to the number of about 1,200, made up of Europeans, Indians, and niggers, across the drift below camp. The particular duty allotted me was the charge of the Medical Detachment attached to the column which was to make the frontal attack. The attack was arranged to take place simultaneously from three different points, the Indians going round the hills to make the main attack, two squadrons of the E.A.M.R. being sent away to cut off any likely retreat, while the remainder of the E.A.M.R., with a section of the mountain battery and two maxims, occupied a frontal position. We marched from 6.30 to 10.30 through bush and veldt, and



AN AMBULANCE TRAIN.

Dr. Pirie, a Nurse, and Stretcher-bearers are in the foreground.

halted in a little valley until 2.30; then we got on the march again, and arrived in a donga at the foot of — about 5 A.M. — was then enveloped in a cloud, and we lay low while scouts went out to ascertain if possible the position of the enemy. Half an hour later our column moved out and took up positions at the bottom of the hills, and many shots were fired before the enemy replied, as they were evidently taken unawares, but, being well entrenched high above us, were safe enough. When the Germans did

reply it was with a vengeance from machine guns, which rained a perfect hail of bullets among our men, who had taken good cover and lay still. The range was accurate, but high, consequently did little damage. Our maxims replied, so also did our two guns, but it was an impossibility to see anyone among the bushes and trees on these kopjes, while the enemy seemed to be able to move about at random among their trenches. . . .

We had only one or two minor casualties, while one man was badly shot in the thigh. These I had attended to, and the latter man, after a dressing, I sent off on a stretcher to a section of a field hospital about five miles off. Retiring at sunset in a drenching thunderstorm, we halted at a kopje, where the hospital and transport had come up. Our instructions were to be ready to return at daybreak. I was disturbed, after a restless few hours, about 3 A.M. with a drizzling rain and a despatch-rider seeking our O.C. . . . After a strenuous thirty-six hours, I got into camp about 11 A.M., had some breakfast, and went to sleep. In the afternoon I went down to the hospital, where the wounded had been brought in, and there I assisted in the amputation of a hand of one of our men, who had been badly shot, smashing the bones. Most of the casualties of the E.A.M.R. occurred among the two squadrons which went round to cut off the enemy's retreat. We now had a much easier time, as a proper field hospital had come up, and we were relieved of many duties, for which we were quite thankful.

On my return to Nairobi I brought four of the wounded men part of the way to one of our camps; then I joined a party going on leave, and after three days on a mule reached the railway, where we got a train home. Nairobi is now very quiet. Nearly everybody one meets is in uniform; business is very slow, and we get little news. Mr. Stobo, one of our assistants, is out with the K.A.R. on the German border in Uganda. I hear that Mr. White, of Wardle & Co., Ltd., has resigned from the Medical Service to return to his duties, as Mr. E. W. Harper, manager of Wardle & Co., is returning to Europe. Operations in these parts have ceased temporarily, I understand; but ere this reaches you we shall no doubt be in the throes of other military movements.

P.S.—You will probably have noticed in the papers that our troops have now occupied —. The Germans, evidently not wishing to risk another hot time, cleared out the day after the fight described above.

#### German Prohibition of Exports.

The "Pharm. Zeit.," in its issue of January 2, 1915, states that a new Decree of December 24, 1914, prohibits the exportation from Germany of a large number of medicinal and pharmaceutical products. At the same time all former Decrees are revoked. A number of these prohibited articles have already been mentioned in the *C. & D.*, but for the sake of clarity we now give the list as published by our contemporary:

Acetanilide.	Guttapercha-tissue.
Acetyl-salicylic acid (aspirin).	Ipecacuanha (also when free of emetine).
Aloes.	Iodine (crude and resublimed), hydriodic acid, iodides, and organic iodo-compounds.
Allypine.	Carbolic acid.
Arecoline and arecoline hydrobromide.	Rubber.
Ethyl ether.	Codeine and its salts.
Ether (anaesthetic).	Caffeine and its salts, derivatives, and preparations.
Atropine and its salts and other derivatives.	Cresol, cresol-soap solutions, lysol.
Bromine, bromides, hydrobromic acid, bromates, and organic bromo-compounds.	Luminal.
Cinchona-bark, quinine, quinine salts, and other quinine derivatives.	Mastic and mastic preparations, such as mastisol.
Chloral hydrate, methyl and ethyl chlorides in tubes and flasks.	Morphine and its salts and compounds.
Chloroform.	Anæsthetic mixtures (such as Schleich, etc.).
Coca-leaves, cocaine and its salts.	Novocaine and its compounds and preparations.
Colchicine.	Opium and opium preparations (such as powdered opium), opium tinctures, opium extract.
Diethylbarbituric acid and its salts (e.g., medinal).	Pantopon.
Digitalis-leaves and their preparations (e.g., digalen, etc.).	Paraffin.
Duboisine and its salts and other compounds.	Peru balsam.
Eucaine.	Phenacetin.
Formaldehyde solution, paraformaldehyde.	Propional.
Galls.	Dimethylaminophenyl 1 d i-methyl-pyrazolon (pyramidon).



Phenyldimethylpyrazolon (antipyrin).  
 Phenyldimethylpyrazolon salicylate (salipyrin).  
 Mercury and mercurials and preparations, such as ointments, tablets of corrosive sublimate.  
 Rhubarb and its preparations.  
 Castor oil.  
 Salicylic acid and its salts.  
 Salvarsan and neo-salvarsan.  
 Colchicum-seeds and preparations thereof.  
 Schleich's solutions and Schleich's tablets for the preparation of the solutions.  
 Scopolamine (hyoscine) and its salts.  
 Suprarenine, adrenalin, paraneprine, epinephrine, epirenan, and their compounds and preparations.

Senega.  
 Simaruba-bark.  
 Theobromine and its salts, compounds and preparations.  
 Tropacocaine and its compounds and preparations.  
 Vaseline.  
 Veronal, veronal sodium.  
 Tartaric acid.  
 Bismuth and bismuth-compounds.  
 Wool-fat, lanolin.  
 Citric acid.  
 Wound-dressing materials, wads, gauze, etc.  
 Chirurgical and other surgical instruments, except obstetrical and dental instruments.  
 Bacteriological instruments and culture media and solutions.  
 Serums and vaccines and animals for physiological experiments.

A large number of articles for which the prohibition of exportation had been revoked are replaced on the list—*i.g.*, salvarsan and neo-salvarsan.

#### News from Austria and Germany.

OTTO EISENGARTEN, proprietor of Pohl's Pharmaceutical works, Schönbaum, Danzig, died in December.

SUPERVISION OF BRITISH FIRMS.—The Imperial Chancellor has now authorised the compulsory supervision of British firms in Germany, as well as French.

CHINA as a customer for German chemicals is to receive special attention "when peace is concluded," states the "Pharm. Zeitung." In Shanghai much progress had been made, but we gather that the war has destroyed any chances of progress for some time.

HOSPITAL PHYSICIANS WANTED.—There is such a shortage of medical men at the Berlin hospitals that an appeal was issued to doctors in private practice to come forward and do their share of hospital-work. More than 300 physicians have responded to the appeal.

CHEMICAL-INDUSTRY.—The German papers state that the sale has increased of most of the products of chemical-industry in Germany and neutral countries. This in a measure makes up for the loss of the trade of the countries with which Germany is at war.

AN EXCHANGE of medicaments and dressings through the Red Cross Society at Geneva is proposed by "Vorwärts." Although the proposal is made by Germany, the "Pharm. Zeitung" makes out that Germany would not stand to benefit so much as other nations!

MR. WALDEMAR DEPPE, lieutenant in the German Landwehr, serving with the Kaiser's army in France, was recently decorated with the Iron Cross for bravery in action. Mr. Deppe is a partner in the firm of Anton Deppe Söhne, essential-oil manufacturers, Hamburg.

SURGICAL DRESSINGS are not scarce in Austria, states Paul Köller in the "Neues Wiener Tageblatt." He adds that more than a million kilos, of cotton-wool is in stock, as well as a million metres of bandages. The country, however, welcomes supplies from America, but not because there is any scarcity.

PRAGUE PHARMACISTS were recently commanded by the Government authority to send an exact inventory of their stocks of medicaments, for the purpose, it is believed but not stated, of the Government drawing upon them if necessary. In Saxony apothecaries are forbidden to execute private orders before those for the army.

EAST PRUSSIAN PHARMACIES.—Preliminary measures are being taken for indemnifying the people of East Prussia for losses due to the Russian invasion. The war relief funds are to advance the money to pay taxes and interest on mortgages. The number of pharmacies which have been destroyed is not known, states the "Pharm. Zeitung."

WIESBADEN.—The cosmopolitan population of this popular spa has practically disappeared, and only the German language is now heard in the streets. Many German and Austrian officers and soldiers are sent to the town to complete their convalescence, and it is stated the water of the hot springs, which has restored thousands of foreigners to health every year, performs miracles for the sick soldiers, who are marvellously soon restored to health again.

CHEMICAL-MANUFACTURE IN ENGLAND.—The "Apotheker Zeitung," referring to the evening meeting, on December 8, of the Pharmaceutical Society of Great Britain on the effect of the war on the supplies of drugs and chemicals, states that, "at any rate in pharmaceutical spheres, the truth is beginning to penetrate that Germany's strength rests upon too solid a basis for England ever to be able to undermine it, and that a commercial war offers as little prospect for a victory as the war with arms. The German scientific-industry man cannot be imitated any more than the German lieutenant."

"KAYSER II.'S" OBSERVATION in the *C. & D.* of December 19 about the impossibility of a continued boycott of German and Austrian firms, the "Pharm. Zeitung" remarks: "THE CHEMIST AND DRUGGIST has never had much sympathy for Germany; so much the more for France, however. The more it should be much appreciated that the *C. & D.* is merciful enough to adjudge a certain right of existence to Germans and Austrians." [Our contemporary's grievance against us used to be that our German Letter was printed in smaller type than French News!—EDITOR *C. & D.*]

RUSSIAN CHEMICAL-INDUSTRY is the subject of an article in the "Pharm. Zeitung," in which the German point of view is put forward that nobody but a Teuton can make fine chemicals. Beneath it all, however, is shown considerable anxiety at the vigorous steps that Russia is taking to make itself independent of Germany in the future. The Russian Government has taken up the matter, and has invited various bodies, including the Russian Pharmaceutical Society, to suggest directions in which the Legislature can help in the establishment of chemical laboratories. The Russian Universities have been able to afford help in making chemicals urgently needed, and a Society has been established having for its object the promotion of chemical-industry.

SCARCITY OF BENZINE.—Dr. Salzmann, the President of the Deutscher Apotheker Verein, communicates to the "Apotheker Zeitung" a plan by which pharmacies may obtain small supplies of benzine. This plan has been evolved after conferences between the War Council, the Deutscher Apotheker Verein, and the "Hageda" (Handelsgesellschaft Deutscher Apotheker), and has resulted in a concession by which the last-named Society will be allowed to peddle out to pharmacies a limited quantity of benzine. The pharmacist may only dispense a maximum amount of 250 grams, and then only on the prescription of a medical man. The retail price of benzine has been fixed officially at 35 pfennings for 250 grams (about  $\frac{3}{8}$ d. a pint). Hospitals can also obtain supplies on a declaration that the benzine will only be used for surgical purposes.

MEDICAL PRACTITIONERS AND PHARMACISTS IN GERMANY.—The Imperial Chancellor has presented a report to the Diet showing that the measures taken since the outbreak of war to ensure a sufficient supply of qualified medical practitioners for the needs of the army and navy and the civil population have answered their purpose. Since the outbreak of war 2,250 students of medicine have been granted licences, 1,500 of them being at the disposal of the army and navy, and 750 being engaged in hospitals and under sick funds, etc., on behalf of the civil population. As a result the total number of medical practitioners in Germany has increased by 7 per cent., and the needs of the army and navy and also the civil population are adequately supplied. Similar measures have been taken in the Federal States to ensure a sufficient dental, veterinary, and pharmaceutical service, and inquiries are to be made as to the success of these measures.

SYNTHETIC CAMPHOR.—The question as to whether synthetic camphor can be used safely in place of natural camphor in medicine is a burning question in Germany at present. It arises from the fact that the stock of natural camphor is nearly exhausted. The Minister for the Home Department has accordingly asked the Prussian Scientific Medical Committee for an authoritative opinion on the matter. This opinion is reported in the "Vierteljahresschrift für gerichtliche Medizin und Öffentliches Sanitätswesen." It is there stated that there is a marked difference in the effect of the optic isomers of camphor on the central nervous system, and that the toxicity of the synthetic product is considerably higher than that of natural camphor. Clinical experiments are lacking, however, so that the administration of synthetic camphor internally should be avoided as much as possible. There does not seem the same objection to the use of this substance as an external medicament. It is added that the commercial article often contains chlorides, and that this impurity should be removed as completely as possible.



## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Brevities.

Mr. W. Standing, chemist and druggist, has been re-elected Vice-President of the Darwen Tradesmen's Association for the ensuing year.

Bradford Corporation has decided to carry out experiments at the sewage-works with substitutes for sulphuric acid for the purification of sewage.

Six cases of poisoning have been reported during the week, two of them being due to misadventure. The poisons involved were carbolic acid, a disinfectant, Jeyes' fluid, laudanum (two cases), and spirit of salt.

The "London Gazette" of January 1 contained the usual annual list of tradesmen who hold the royal warrant of service to the King and members of the Royal Family; also to the late Queen Victoria and the late King Edward.

A draft order has been issued by Worcestershire County Council for chemists and druggists in Lye and Wollescote to close at 8 P.M. on Mondays, Tuesdays, and Wednesdays; 1 P.M. on Thursdays; 8.30 P.M. on Fridays; and 10 P.M. on Saturdays.

Deftford Borough Council has been recommended to re-appoint Mr. Henry George Harrison, M.A., F.I.C., 124 Pepys Road, New Cross, S.E., as public analyst, at a fee of 10s. per sample analysed, the minimum number of samples during twelve months to be 300.

West Ham Corporation has approved of plans for an amyl-acetate building for Boake, Roberts & Co., Ltd., manufacturing chemists, Carpenter's Road, Stratford. Jas. Lang, Son & Co., chemical-manufacturers, have also had plans passed, of additions proposed to be made at their works in Ashburton Road, Stratford.

### Contracts for Drugs, etc.

We have received notification of the settlement of the following contracts for articles in which our subscribers are interested:

Bradford Corporation (Gas Committee).—G. C. Dobell & Co., Liverpool, for 80 tons nitrate of soda during 1915 (10l. 12s. 6d. per ton).

Canterbury City Council.—E. Bing & Son, appointed chemists for six months.

Chester-le-Street Guardians.—John Ismay & Sons, New-castle-upon-Tyne, for drugs.

Holywell Guardians.—Mr. J. Carman, chemist and druggist, Holywell, for carbolic acid (1s. 10½d. per gal.) and fumigating charcoal (9s. per cwt.) for the ensuing quarter.

Metropolitan Asylums Board.—Barrett & Elers, Ltd., for carbonic-acid gas for six months.

Nelson Education Committee.—Mr. C. G. Dickinson, for supply of spectacles to school-children for one year.

Stockport Corporation Isolation Hospital.—J. C. Arnfield & Sons, Ltd., for drugs, etc., for one year.

Wrexham Guardians.—Francis & Co., Wrexham, for drugs.

### Guardians' Doings.

The proposal of the Wandsworth Guardians to increase the salaries of Messrs. Thomas and Kinsman, dispensers at their infirmaries, has been approved by the Local Government Board.

Southwark Guardians on January 8 considered a letter from the British Drug Houses, Ltd., inquiring whether the Guardians desired their institutions to be supplied with the preparations of the B.P. 1914, or if they should continue to supply preparations of the B.P. 1898 during the currency of the present contract. Should the Board desire to adopt the new Pharmacopœia, the company suggested charging any B.P. 1914 preparations supplied at the contract rate for the corresponding B.P. 1898 article, *plus or minus* the difference (if any) in price entailed by the alteration of the formula, such difference to be determined by reference to their price-list, irrespective of any market fluctuation. In the case of new articles or new preparations of the B.P. 1914, the price to be charged would have to be the subject of arrangement between them in any case. The matter was referred to the Contracts Committee for consideration and report.

### Birmingham.

The University session began this week. Only a few additional students attended, and many had joined the Colours. It has been arranged that the fees paid shall be allowed for when they return from the war.

The Remand Home for children of the city, an institution which this week received very high praise from the magistracy on account of the great boon it has been, was the gift of Mr. and Mrs. Barrow Cadbury, the latter being Mr. Alfred Southall's daughter.

Measles, accompanied with or followed by attacks of bronchitis or pneumonia, has been prevalent lately, a large number of cases terminating fatally. An experiment is being tried in special nursing, in the hope that by skilful attention the lives of a number of children may be saved.

The drysalter has adopted a new plan to deal with a small transaction in poisons. He makes out an order in the name of the person requiring the article, together with the name and quantity of it, and asks for the purchaser's signature. It thus becomes a wholesale transaction, he says. [Wrong.—Editor C. & D.]

### Manchester.

Mr. W. F. Cuttford, chemist and druggist, is applying for a wine-licence for his premises at 570 Bolton Road, Pendlebury.

Our local correspondent visited the Ucal Chemists' Exhibition held at the Victoria Hotel, Manchester, on Tuesday, January 12, and found the directors very busy booking orders and increasing their membership. A number of chemists from the surrounding towns looked in. Ucal, he adds, "are doing great things with the bottling of Cheltenham aperient water, which is displacing various foreign mineral waters. The company have laid down huge tanks and evaporating-pans, and are selling as much of the water in a week as the Cheltenham Corporation used to sell in twelve months." The exhibits included a full range of good selling lines, well and attractively put up. They comprised emulsions, hair-preparations, toilet-specialities, etc., one line that was particularly smart and attractive being carbolic disinfectant in 6d. and 1s. red tins. Druggists' sundries and combs of all kinds are the latest addition. Messrs. C. W. Brumwell, J. Gilbert Jackson, G. W. Evans, Harold Miller, and Bushby were the directors in attendance.

### Sheffield.

The North Brierley Guardians have decided to instal an x-ray apparatus at their infirmary.

The Local Government Board has approved of the proposed increases in the salaries of Messrs. S. G. Carey and W. L. Bailey, dispensers at the Sheffield Guardians' Infirmaries (C. & D., December 26, p. 46).

The Hospital Committee of the City Council has decided greatly to increase the accommodation at Lodge Moor Hospital. It is proposed to spend on alterations, etc., 10,000l. in the present year, 20,000l. in 1916, and 33,000l. in 1917.

The dried-milk scheme of the City Council is growing rapidly. In 1908 2,830 cases were attended, while in 1914 the number of cases was 11,912. An additional grant of 100l. per annum has been allowed to the medical staff. The local chemists feel that, as many of the cases are by no means the children of poor people, the supply of dried milk should be procured in the ordinary way of business. At present it is supplied at cost price by Glaxo, Trufood, Ltd., and the West Surrey Central Dairy Co., Ltd.

### From Various Courts.

At the London Sessions on January 7, Gregory Melik (28), perfume-manufacturer, was sentenced to six months' imprisonment in the second division for attempting to obtain 5l. by false pretences from Wilhelmina V. A. Zapp, a Russian dancer, by stealing her passports and then offering to obtain them for her for 5l.

At Rotherham County Court on January 11, a tooth-extractor, named Seaman, Wath-on-Dearne, was sued by Leonard Foster for 25l. for negligence, assault, and

false imprisonment. Plaintiff stated that Seaman failed to extract a tooth after two or three attempts, but demanded his fee, which plaintiff refused to pay. Defendant then locked the door and would not let him leave. A policeman was called in eventually. The Judge gave judgment for plaintiff, assessing the damage at 5/-.

## Irish News.

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### The New B.P.

The name of the late Robert James Downes, President of the Pharmaceutical Society of Ireland 1897-1900, is given as "Mr. K. J. Downs" on p. xviii of the Preface to the British Pharmacopœia, 1914.

The Local Government Board has intimated to Boards of Guardians in Ireland that the formulæ of the recently published British Pharmacopœia should not apply to drugs supplied by the Union contractors before April 1 next.

### Pharmaceutical Society of Ireland.

The following is the result of the recent Preliminary examination: Helen Muriel O'Kane, Londonderry, and Patrick Tobin, Nenagh, passed with honours. The following also passed: Helena Florence Spelman, Aclare, co. Sligo; Geoffrey Victor Crowe, Enniskillen; Charles McKeown, Belfast; Samuel Gamble, Shercock, co. Cavan; Bernard Lennon, Athlone; Cornelius Moynihan, Fermoy; and Joseph Shillington, Belfast. Twelve candidates were rejected.

### Poisoning Case.

Dr. John Burke, Killaloe, co. Clare, has died from drinking a belladonna or aconite preparation in mistake for whisky. Dr. Paul Ryan, Ballina, who took some of the aconite in the same circumstances, is seriously ill. The inquest on Dr. Burke was adjourned till January 22, so that Dr. Ryan may attend. The poison is stated to have been transferred from a broken container to a bottle which bore a whisky-label.

### Guardians and Drug-supplies.

When the circular from Messrs. Boileau & Boyd, asking for special treatment owing to the increased cost of drugs due to the war, was read at the meeting of the Baltinglass Guardians, Mr. P. O'Neill objected to contractors going direct to the Local Government Board. The Clerk said he thought there is a clause in the contract which empowered the contractors to claim extra payment, and County Court Judge Barry has given a decision against the Guardians in a somewhat similar case. Dr. Kenna thought the Local Government Board should consider the whole matter at the expiration of the contracts. Finally consideration of the matter was postponed.

### Brevities.

Mr. A. K. Macbeth, M.A., D.Sc., has been appointed Lecturer in Organic Chemistry at the Queen's University of Belfast.

The Cork Chemical and Drug Co. has obtained the contract for the supply of medicines and medical and surgical appliances to the Cork Fever Hospital for the next six months.

The dispensers in the service of the Belfast Union have sent in an application for a revision of the scale of salaries, and the matter has been relegated to the Finance Committee to deal with.

Alderman Dr. J. C. McWalter has been appointed a member of the Committee in connection with the proposed send-off to Lord and Lady Aberdeen when officially severing their connection with Dublin Castle.

At Dungannon Quarter Sessions, on January 11, John Watson was charged with larceny of perfumery and shaving-soap, the property of Mr. R. Marshall, druggist, Dungannon. He pleaded guilty, and was sentenced to four months' imprisonment.

Sir Stanley Harrington and Mr. W. B. Harrington have been elected members of the Executive Council of the Cork Employers' Federation. Mr. Harrington has also been reappointed Hon. Secretary of the Cork Industrial Development Association.

Mr. S. P. Cullen, registered druggist, Drogheda, has acquired the pharmacy at 4 Laurence Street in that town, carried on for a number of years by the late Dr. V. Ryan. He has also been appointed Deputy Registrar of Births, Marriages, and Deaths for County Louth.

The Christmas lectures to young people which were given by the Royal Dublin Society were on the "Chemistry of Peace and War." They dealt mostly with explosives, and many experiments were performed. The lecturer said that an explosive containing phenyl is responsible for the dense smoke of "Black Marias" or "Coal-boxes."

The classes in pharmacy have been resumed at the Dublin Technical Schools for the ensuing session, and are being attended by a number of chemists' assistants and apprentices. The acceptance of the school's certificates by the Pharmaceutical Society tends to popularise the municipal teaching, and the prizes offered for competition help to stimulate the students.

Among the candidates nominated in connection with the Irish Urban Council elections last week were Mr. F. T. Smith, registered druggist, Medical Hall, Antrim, for Antrim Council; Mr. James Gregg, registered druggist, Ballyclare, for Ballyclare Council; and Mr. Thos. L. Cole, Ph.C., Lurgan, for Lurgan Council. Messrs. Smith and Gregg have been returned unopposed, but Mr. Cole is opposed, the election taking place on January 15.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Brevities.

As a result of the darkened streets, causing restricted business, Nairn chemists have decided to close at 7 P.M. (10 P.M. on Saturdays) from January 14.

At a recent meeting of the Galashiels Parish Council it was reported that the Co-operative Society's chemist had asked that the Society should have a turn along with the other chemists of the town in supplying medicines. The Chairman stated that as they had made their arrangements for the year they could not at present consider the matter. The Council finally decided to allow the question to drop.

### Edinburgh.

Mr. John Henderson's pharmacy at 74 Montrose Terrace narrowly escaped destruction by fire on January 9. The adjoining shop was gutted.

It is noticeable that the public are showing an increased dislike of German products. A chemist, assuring a customer that a certain brand of eau de Cologne was the best the Fatherland produced, received the reply: "Let them keep the best and the rest for their own use."

The Governors of George Heriot's Trust have decided that, as the teaching of chemistry in this country is at present in a state of flux, and the effect of the war upon the matter cannot yet be determined, the appointment of a Professor of Chemistry at the Heriot-Watt College, in succession to Professor Gibson, be further delayed, and the question again brought up in three months.

The annual general meeting of the Edinburgh Chemists' Golf Club was held at 36 York Place on January 11, Mr. G. Baxter, captain, presiding. The Hon. Secretary (Mr. G. W. Mangan) reported a very successful year, the outings having been well attended and the various competitions keenly contested. The Treasurer's report showed a comfortable balance in hand. It was intimated that the winners of the autumn prizes desired that the value of the prizes should be given to one of the Relief Funds. The meeting agreed to continue the privileges of



membership without subscription to members serving with the Forces. Owing to the anxiety caused by the war the meeting agreed that it would best interpret the feelings of the members by deciding to hold no competitions or fixtures during the coming season. The election of office-bearers was also deferred to a future date. After voting 17. 1s. to the Benevolent Fund, the meeting closed with votes of thanks to the office-bearers.

At a meeting of the Highland and Agricultural Society, held in Edinburgh on January 6, Dr. J. F. Tocher, F.I.C., Aberdeen, chemist to the Society, submitted his annual report, of which the following is an abstract:

In all, 142 samples were examined during 1914, this being five more than in 1913. In view of the likely scarcity of potash, some inquiries were made as to the possibility of producing potash salts, or a suitable potash fertiliser, from minerals containing orthoclase feldspar. A number of patents exist for the extraction of potash from minerals, but none of them appear to have been worked to any great extent. Samples of felsite (mainly quartz, with varying proportions of orthoclase feldspar) were examined, and were found to contain from 2 to 9 per cent. of potash. The problem of extracting potash economically on a commercial scale is an exceedingly difficult one, and has not yet been solved. This does not mean that the problem is insoluble, and the extraction of potash from minerals is worth the serious consideration of all chemical-manufacturers. It is suggested that, as a substitute at the present time, ground felsite containing a fairly high proportion of potash could be used with advantage by agriculturists.

#### Glasgow and the West.

Mr. William Gibson, chemist and druggist, has commenced business in Johnstone in the shop lately occupied by Dr. Robertson.

Mr. Malcolm M. Irvine, Ph.C., Principal of the Glasgow School of Pharmacy, has had a remarkably good record in the recent Edinburgh examination.

Since the outbreak of war the Scottish Branch of the British Red Cross Society has issued from the stores at St. Andrew's Halls, Glasgow, 20,756 bandages, 3,500 splints, 1,350 yards bandage-cloth, and other medical requisites.

The prescriptions for Belgian refugees for December 1914 numbered 156, and the value was 6*l.* 1*s.* 8½*d.* Prescriptions for dependants of soldiers and sailors dispensed previous to the issue of the official forms were 231, of a total value, at cost price, of 6*l.* 7*s.* 1*d.* Any future prescriptions written on unofficial forms, if sent to Mr. Kitchin, will be paid by the local Committee by arrangement. Those on official forms should be sent to Mr. Woolcock, Bloomsbury Square.

Stranraer Town Council on January 11 considered a letter from the solicitor of the Plasmon Co., Ltd., London, stating that his clients are desirous of manufacturing their product, hitherto made in Germany, in the immediate vicinity of Stranraer if a site can be arranged. The company has laid aside 6,000*l.* to build and equip a factory, and it is intended to do all packing and warehousing in connection with the manufacture of chocolate, etc., on the site obtained. The Council were asked to approach certain trustees and advocate the establishment of such a factory. The Council appointed a deputation to take steps in the matter.

*Willings' Press Guide.*—The 1915 edition of this useful reference-book is the forty-second annual issue, and 258 pages of it are devoted to an alphabetical list of newspapers and journals and other publications issued in the United Kingdom. Then follow twenty-five pages devoted to classification of periodicals according to interests, professions, trades, religious denominations, sciences, and subjects, after which come such sections as Metropolitan newspapers, etc., provincial, Colonial, American, and Continental, and other matters connected with the Press.

CONGRÈS INTERNATIONAL DE PHARMACIE.—We received this week a memento of the very successful International Congress of Pharmacy at The Hague in 1913, in the form of two thick volumes of the transactions. These contain 1,319 pages and thirty-two pages of indices. The "Compte Rendu" includes not only the papers presented at the Congress, but the discussions, lists of members, and reports of the various excursions. As unfaced paper is employed in the printing, the volumes, although bulky, are light in weight.

## French News.

(From the "C. & D." Paris Correspondent.)

THE IODINE AMPOULES sent to the French Army by the Patronage National des Blessés are accompanied by the following practical instructions for use, drawn up by the medical staff of the institution:

Do not wash the wound before applying the iodine. Apply it to the wound and the skin around; cover a space equal to the size of the first-aid bandage. If several wounds, economise iodine so as to dress all if possible. Allow the iodine to evaporate before bandaging. For certain parts (eye, ear-tube, genital organs) use the bandage without iodine; do not apply iodine before surgeon's arrival.

EXPORT DIFFICULTIES.—To meet complaints made as to the difficulties raised at certain French frontiers and ports regarding the exportation of pharmaceuticals, the central Customs authorities have issued a notice explaining that French proprietary medicines may be freely forwarded to allied or to neutral countries even if they contain one or more of the substances of which the exportation from France is prohibited. Further, notice is given that for parcels under 10 kilos. (say, 20 lb.) weight addressed to French Morocco, Tunisia, Algeria, and the French colonies, products of which the exportation from France is at present prohibited will not be subject to the formality of guarantee receipt (*acquit-à-caution*).

THE "FATHER" OF FRENCH ARMY PHARMACISTS.—M. Charles Antoine Pressoir, whose death is announced, was supposed to be the oldest living French Army pharmacist or hospital house pharmacist. Born at Angers in 1825, he entered a Parisian hospital as "interne en pharmacie" in 1848. After taking a gold medal at the Paris School of Pharmacy, he entered the pharmaceutical service of the French army in 1852, when the sanitary corps was reorganised. With numerous fellow-internes (Adam, Aveline, Cohade, Debeauny, Jailland, Lafon, Lambert, Lancelot, Lefranc, Musculus, Pecheu, Pelissie, Roussin, and Viltord) he answered the call of Poggiale for "new blood" for army sanitary service, and helped to revive and uphold the scientific traditions of French military pharmacy. During the time he served in Algeria Pressoir botanised round Constantine and Philippeville, and collected materials which were utilised by Cosson in his *magnum opus*, "The Flora of the Barbary States." He contributed several articles to the "Mémoires de Médecine et de Pharmacie Militaires," particularly a paper on the water-analysis of Bourbonne-les-Bains, where he was stationed at the Military Hospital. He retired in 1880, and had since resided at Versailles, where he died after a very short illness, having nearly completed fourscore and ten years.

GERMAN ATROCITIES.—The Official Report on the atrocities committed by German troops while on French territory has been published this week. Among the shameful deeds of the Germans are the following: In the Meurthe-et-Moselle Department (*i.e.*, near the Lorraine frontier) some serious outrages were perpetrated. Nomény, a frontier village, was bombarded and (on August 20) entered by the Germans. M. Prevot, who saw some Bavarians invade the pharmacy of which he was in charge, told them he was the pharmacist, and would give them whatever they wished. But three shots were heard, and he fell breathing a heavy sigh. Two women who were present ran away, but were followed and beaten with the butt-ends of the Germans' rifles. Lunéville, an important frontier town about half an hour's railway ride from Nancy, was occupied by the Germans on August 20. At first they simply pillaged and molested no one. The outrages and massacres appear to have begun about August 25. On that day, at 1 p.m., M. Riklin, pharmacist, having been informed that a man had fallen some thirty yards from his *officine*, went to the spot indicated, and recognised in the victim his own brother-in-law, M. Colin, aged sixty-eight, struck in the stomach by a bullet. The Germans pretended that the old man had fired on them, but this M. Riklin distinctly denies. He told the French Commissioners that Colin was completely ignorant of the handling of firearms.



## India and the East.

(From the "C. & D." Correspondents.)

MR. J. L. HOLDEN, of Burroughs Wellcome & Co., was recovering from an attack of appendicitis and malaria when the last mail left Bombay.

**SANATOGEN PRICES.**—The "Advocate of India" called attention on December 17 to an advertisement in its columns stating that all the ingredients of Sanatogen are obtained in Great Britain, and a staff of over 200 British workers is employed. Mr. R. D. Hughes, Secretary of the Bombay Presidency Trades Association, at once wrote quoting the question and answer in the House of Commons, and some lively correspondence ensued. A similar thing happened in the "Times of India."

**SUPPRESSING MORPHINE.**—In the annual report of the Governor of the Colony of Hong-Kong for 1913 it is stated that the policy of the Government in controlling the importation and sale of morphine, compounds of opium, and cocaine was vigilantly maintained throughout 1913, and the use of these drugs in the Colony is now exclusively confined to medical purposes; 5,584 oz. of morphine and 1,764 oz. of cocaine were seized during 1913, all destined for China or neighbouring ports.

**OPIMUM PREPARATIONS.**—The Government of India have decided to include the drugs specified below in the list of preparations containing opium and morphia attached to Customs Circular No. III. of 1913, the import of which may be admitted by Collectors of Customs under the proviso to the Notification in the Commerce and Industry Department, No. 720-79, dated February 4, 1911: (1) Decoctum papaveris; (2) linctus opiatus; (3) pilula hydrargyri cum creta et opio; (4) sanative pills, Jayne's; (5) tinctura opii benzoica; (6) papaveri capsulae (only dried poppy-heads from which opium has been extracted).

**WAR EFFECTS.**—Retail chemists have had a very busy time supplying officers and men with their many requirements, and transports with medicines for the crews. The Bazar is very quiet, and very little business is stirring; the dealers have stopped all credit, and money is very tight. Prices are ruling very high, and they have frightened their up-country dealers with the excessive rates. Quite a number of chemists' assistants are Volunteers, and in the early stages of the crisis took duty at night when the Regulars left Bombay. The Bombay Volunteer Artillery mobilised on Saturday, December 12, and Mr. C. E. Develin and Mr. C. Dale, of Thomson & Taylor, and Mr. Scott, of Treacher & Co., Ltd., are now taking duty three days a week, but are allowed from 10 A.M. until 4 P.M., when they return to work. The mobilisation caused quite a flutter in pharmacy, but the military authorities are making things as easy as possible for all the traders by allowing the men of all trades liberty during the day.

**INDIAN POISONS ACT.**—The Secretary of the Calcutta Trades' Association has forwarded a lengthy communication to the Hon. Mr. H. L. Stephenson, Secretary of the Bengal Government, Financial Department, Medical Branch, in reply to a request for the Association's views regarding the proposals which have been made to the Government of India for the amendment of the Poisons Act (1 of 1904). In the opinion of the Association, a Poisons Act drafted on the lines of the enactment in force in Great Britain, with the necessary modifications required by the conditions obtaining in India, would be welcomed. After dealing at length with the conditions under which the trade in India is carried on, the letter concludes: "The multiplication of orders restricting the sale of these various articles would, it is considered, throw a large amount of clerical work on sellers, and necessitate the employment of a staff of clerks for such purpose alone, while the suggested compulsory registration of both wholesale and retail sales of poisons would tend largely to increase this branch of unproductive labour. In conclusion, the Committee are strongly of opinion that in framing the new Act, the more workable and simple the provisions are the more likely it is to be fully complied with to the benefit of all concerned."

**How OLD IS THIS?**—"If baby does not thrive on fresh milk, it should be boiled."

**DUTCH PHARMACY LAW.**—A Bill revising the pharmacy laws of Holland has been presented to the Second Chamber of the States-General by the Minister of the Home Department. Several important modifications are proposed regarding dispensing by doctors, the sale of medicaments by those who are not pharmacists, dealing in poisons, and the sale of proprietary medicines.

## Legal Reports.

### Trade Law.

**"Kephaldol" Missing Word.**—The action of Hillman v. Kephaldol, Ltd. (*C. & D.*, 1914, II., 540), which arises out of a missing-word competition, was down for hearing before the Lord Chief Justice in the King's Bench Division on January 11, when on the application of Mr. Gordon Hewart, K.C., for the defendants, it was adjourned until January 20.

**A Patent Inhaler.**—In the King's Bench Division on January 11, Mr. Justice Atkin heard an action in which Mr. Wm. A. Richards, Rosslyn Hill, Hampstead, sued the British Autapsal Co., Ltd., Vernon House, Sicilian Avenue, Bloomsbury Square, to recover 100*l.* due from the company. Mr. Rowsell represented the plaintiff, no one appearing for the defendants. Counsel said Mr. Richards invented a nasal inhaler, and in June 1913 the defendant company was formed to take over his patents. The defendants agreed to purchase certain stock-in-trade from Mr. Richards for 200*l.*, of which only 100*l.* had been paid. Plaintiff gave evidence to this effect, and judgment was entered in his favour for 100*l.* and costs.

**Stolen Syphon-tops.**—In the Southampton County Court, before Judge Gye, on January 5, John Johns & Son, chemists, Southampton, sued Jackson, Ltd., metal-merchants, Reading, for 16*l.* 17*s.* 3*d.*, being the value of 220 syphon-tops at 1*s.* 1*d.* each, and 5*l.* damages for detention. The evidence showed that the tops had been stolen from the plaintiffs' premises, and the thief sold them in a battered condition to defendants for 3*l.* 10*s.* 10*d.* The present action had been brought to determine the question of ownership, and after a lengthy hearing his Honour held that a sufficient sum had been paid into court (4*l.* 10*s.* 9*d.*), and therefore gave judgment for the defendants, with costs. Leave to appeal was refused.

**Sale of Food and Drugs Acts.**—At Norwich on January 8, William Brown, 214 Queen's Road, was fined 4*s.*, and 6*s.* costs, for selling *crushed linseed* deficient in oil. The prosecutor stated that B.P. crushed linseed contains 30 per cent. of oil, but the article sold contained only 21 per cent.—At the South-Western Police Court, London, on January 13, Harry R. Thompson, chemist, 153 Eardley Road, Streatham, and 197 Longley Road, Tooting, was fined 40*s.*, and 15*s.* 6*d.* costs, for dispensing a *prescription mixture* with a 57- to 58-per-cent. deficiency of potassium iodide. The defendant did not appear, but he was represented by a friend, who said the deficiency was the result of an error. The prescription was misread—2 draehms instead of 4. The change, he explained, was made in accordance with the wrong reading.

**Germans, Chemicals, and Drugs.**—In the Bow County Court on January 13, before Judge Smyly, K.C., an application was made under the County Courts (Emergency Powers) Act for leave to issue a warrant for commitment against Mr. Pollard, High Road, Leytonstone, an agent for chemicals and druggists' specialities, on behalf of Graves & Co., Sheffield. Mr. Hammond, who supported the application, said that at the time of the issuing of the summons there was no doubt defendant was in a position to pay, as he had a very good business. Judge Smyly: Yes, but now we have the war, and chemical-manufactures were so largely in the hands of Germans—they made so many drugs—that it is possible he is doing nothing now. Did he manufacture these chemical-manufactures himself? I see you call them specialities. Mr. Hammond: He was perhaps more in the position of an agent. Judge Smyly: Chemical-goods were so largely in the hands of the Germans that it is unlikely that he could have much chance of getting the specialities or the drugs for making them since the war. I cannot make an order for committal, but will make a small new order.

**A Bottle Business.**—In the King's Bench Divisional Court on January 11, before Justices Ridley and A. T. Lawrence, the appeal case of Sternberg v. Moore, Nettlefold & Co. and another came on for hearing. The appellant had brought an action in the Lord Mayor's Court against the respondents, who are bottle-manufacturers with works at Charlton, Kent, to recover 14,000*l.* for alleged breach of agreement. The Recorder had decided that the claim could not be sustained. Appellant, conducting his own case, stated that he had arranged to purchase the respondents' bottle-making business with a view to forming it into a company. He contended that, owing to the mismanagement of the business subsequent to the negotiations, he was prevented from securing the flotation of the company and the underwriting of the shares. At the time he entered into



the agreement the profits made were at the rate of 220% per week. The respondents, without his knowledge at the time the agreement was entered into, opened a second factory at Woolwich in addition to the one at Charlton. Respondents had sufficient orders in hand to keep one factory going until March 1915. Instead of carrying out these contracts at the one factory, respondents opened the second one. Owing to the heavy increased expense of running the additional factory the profit was brought down to a loss. At the time he entered into the contract he had no knowledge that the business was carried on at a loss. He also submitted that in consequence of the respondents conducting experiments in pale-glass bottles there had been further losses. Mr. Duke, K.C., for the respondents, said the profit of 220% a week was a spurt during six weeks at the end of December 1912, and did not represent the ordinary trading. Without calling upon Mr. Duke to state the respondents' case, the Court dismissed the appeal, with costs. Mr. Justice Ridley said it appeared quite clear that under the agreement the respondents were to use their own discretion as to the manner in which the business should be carried out. For their own benefit they would naturally do the best they could to promote the success of the business.

**Lavona Trade-mark.**—The Judges of the First Division of the Court of Session, Edinburgh, gave judgment on January 7 in the appeal by Tokalon, Ltd., from the judgment of Lord Anderson, as Lord Ordinary, on January 10, 1914, holding that the use by the defenders—Davidson & Co. (Kar Manufacturing Co.), Edinburgh—of the word "Lavroma" to describe shampoo-powders was not a colourable imitation of the complainers' trade-marks "Lovona" and "Lavona" (*C. & D.*, 1914, I., 80). The First Court now unanimously adhered to Lord Anderson's judgment. The Lord President (Lord Strathelyde) said that he could not deny that the case was a very narrow one. The verdict of his eye and ear supported the verdict of the Lord Ordinary. Prior cases were very instructive and interesting, but not very helpful to enable them to reach a conclusion in a case where necessarily and inevitably the appeal must be to the eye and the ear of the Court. The parties were well advised in not moving for a proof. No evidence would have been, in his opinion, of any avail in an action such as that, which, as had more than once been observed in the course of the discussion, rests exclusively upon proprietary right. They were here dealing with an action for trespass upon property. They knew the exact ambit of the property. They knew the exact ambit of the alleged trespass, and they had to consider whether or no the complainers' rights had been invaded. That was not an action based upon fraud or deception. It was not what was usually denominated "a passing-off" action, for the complainers were content to rely solely upon their statutory right. The respondents' trade-mark not being identical with the complainers', the question was whether it was substantially the same or not; in other words, whether what the respondents had done was calculated to deceive; whether the one mark, in short, was so like the other that goods bearing the one mark might readily be mistaken for goods bearing the other mark. To the question so put his eye and ear answered in the negative. The question might be otherwise put thus: Would an ordinary purchaser purchasing with ordinary caution be likely to be misled? His eye and ear said "No." Or would a careful inspection be necessary in order to distinguish the one mark from the other? His eye and ear said "No." It was impossible to give reasons for one's opinion in such a case. The appeal, then, to his eye and ear was an appeal which was successfully made by the respondents, and not by the complainers, and it was satisfactory to find that the appeal to the eye and the ear of the Lord Ordinary had led to the same result. On one matter he differed from the view of the Lord Ordinary. If he had come to the conclusion that the respondents' trade-mark was a colourable imitation of the complainers' trade-mark, he should without hesitation have granted an interdict, but as he pronounced a negative verdict on that question, he was for adhering to the decision of the Lord Ordinary.—Lord Johnston agreed, adding that he thought they were bound not to scan the word either visually or audibly, as they would a question of *comparatio litterarum*. They must apply themselves to the question from the general point of view which a customer walking into a shop would apply himself. It was a jury question, and as such he concurred in the verdict, although with hesitation.—Lord Skerrington also concurred, because the complainers had failed to satisfy him that there was a likelihood of deception, and accordingly his verdict was a verdict of "Not proven" in favour of the respondents.

**ZANZIBAR COPAL.**—The exports from Zanzibar in 1913 were valued at 8,390%., against 11,020% in 1912.

## Limited Companies.

### New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

**SPUN GLASS-BOTTLE MANUFACTURING CO., LTD. (P.C.).**—Capital 3,600%. The first directors are F. Wigley, S. Wigley, P. Walters, S. Crosbie (chairman), and W. Crosbie. R.O., Bounds Green Road, New Southgate, N.

**PHENIX CHEMICAL CO., LTD. (P.C.).**—Capital 15,000%. Objects: To carry on the business of manufacturing-chemists, druggists, dyers, etc., and to adopt an agreement with Thos. Needham, Francis H. Rogers, and Frank Bernhard Dehn.

**LATIMER DAVIS, LTD. (P.C.).**—Capital 1,000%. Objects: To carry on the business of chemists, druggists, dyers, etc., oil and colour men, etc. F. Edwards, wholesale chemist, Llandaff, signs documents as "director." R.O., 25 High Street, Newport, Mon.

**B. M. N. SYNDICATE, LTD. (P.C.).**—Capital 2,000%. Objects: To carry on the business of chemists, druggists, dyers, etc. The subscribers are W. T. Bruce, 3 Lombard Street, E.C., chemical-merchant, and T. D. Morson, 14 Elm Street, Gray's Inn Road, W.C., chemical-manufacturer.

**HICKSON & PARTNERS, LTD. (P.C.).**—Capital 20,000%. Objects: To carry on the business of manufacturers of, agents for, and dealers in organic and inorganic chemicals, manufacturers of nitro and amino derivatives of benzene and its homologues, together with nitric, sulphuric, and other mineral acids, etc. The subscribers are E. Hickson, colour-merchant, Bradford, and W. H. Legge, cashier, Bradford. R.O., 38 Well Street, Bradford.

## Gazette.

### Bankruptcy Acts.

RECEIVING ORDER.

WADSWORTH, A., 88 High Street, Lees, near Oldham, drug-store proprietor.

ADJUDICATION.

WADSWORTH, A., 88 High Street, Lees, near Oldham, drug-store proprietor.

(From the "London Gazette," January 8, 1915.)

**JOINT-STOCK COMPANIES.**—Notice is hereby given, pursuant to Section 242 (5) of 8 Edw. VII., ch. 69 [Companies (Consolidation) Act, 1908], that the names of the undermentioned companies have been this day struck off the Register, and such companies are hereby dissolved:

Azo Animal Medicine Co., Ltd.  
British Photo Paper Co., Ltd.  
Burdin's Red Bottle, Ltd.  
Chili Copper Sulphate Syndicate, Ltd.  
Howarth Drug-stores, Ltd.  
Invicta Manufacturing Co., Ltd.  
Manchester Wholesale Supply Co., Ltd.  
New Preservative Co., Ltd.  
Premier Optical Co., Ltd.

### "C. & D." Dose and Metric Card.

THE best thing of the kind available. It measures 11 in. by 8 in., and is looped to hang up. On one side of it are tables showing (1) the strengths and doses of official preparations which have been altered in potency by the B.P. 1914, and (2) the doses or uses of new articles and preparations. On the reverse of the card are tables of metric conversion factors and equivalences. These show (1) how to convert metric quantities into imperial—e.g., grams and c.c. (or millilitres) into grains (or minims), drachms, ounces, and pounds; (2) how the reverse can be done, with methods of converting prices by one system into the other. The tables of equivalences form a ready-reckoner. The card is supplied at 2s. 6d. per dozen, or 6d. for two, or 4d. each, post free, and orders, with remittance, should be sent to the Book Department, *C. & D.*, 42 Cannon Street, London, E.C. The Department will also quote for parcels of 120, 250, 500, or 1,000, with the name and address of the chemist upon each. We find that a number of our subscribers desire to give the card to medical men in their district, and one's own name on the card makes it a permanent advertisement. The same applies to wholesale houses and their customers.

## Marriage.

Authenticated notices are inserted without charge.

**SALISBURY—PASK.**—At Holy Trinity Church, Hoylake, Cheshire, on January 6, James C. Salisbury to Annie, only child of Mr. Thomas C. Pask, chemist and druggist, Hoylake.

## Deaths.

Authenticated notices are inserted without charge.

**BALDOCK.**—At Overdale, St. Leonard's Road, Croydon, on January 6, after a long illness, Mr. John Henry Baldock, Ph.C., F.R.C.S., aged seventy-six. Mr. Baldock was formerly in business in High Street, South Norwood. He was a prominent member of the Croydon Literary and Scientific Institution, lanternist to the local Natural History and Scientific Society, and served on the old Local Board.

**BROWN.**—At Brighton, on January 7, Mr. Robert Ebenezer Brown, chemist and druggist, Guildford Road, Brighton, aged seventy-five. Mr. Brown had been in failing health for about eight months. He was a Yorkshire man, and had been in business in Brighton for thirty-five years.

**BRUCE.**—Suddenly, from heart-disease, at 6 The Broadway, Cricklewood, on January 8, Mr. David Malcolm Bruce, chemist and druggist, aged thirty-nine.

**DAVIES.**—At 43 Mansel Street, Swansea, on January 6, Mr. John Davies, chemist and druggist, aged seventy-two. Mr. Davies was a native of the Swansea valley, and when he retired from business a few years ago he was Swansea's oldest chemist, having been in business in High Street there for over half a century.

**EVANS.**—At 43 Chepstow Street, Liverpool, on January 8, Mr. Maurice Evans, chemist and druggist, for twenty-two years with Warhurst, Ltd., chemists and druggists, Liverpool.

**FRENCH.**—At 95 North Street, Gosport, on January 1, Mr. Montague Robert French, chemist and druggist, aged fifty-five.

**HOOPER.**—At 16 Royal Avenue, Chelsea, London, S.W., on January 5, Anna Loye, wife of Mr. E. G. Hooper, F.I.C., F.C.S., Deputy-Principal of the Government Laboratory.

**LIEBERMANN.**—At Berlin, on December 28, 1914, Geh. Rat, Professor Dr. Carl Liebermann, aged seventy-three. Dr. Liebermann was Professor of Chemistry in the Technical Academy, Charlottenburg, Berlin. As assistant of Professor Adolf Baeyer he obtained a profound knowledge of organic chemistry. In collaboration with Carl Graebe he succeeded in obtaining synthetically alizarine from distillation-products of coal-tar, and was appointed Professor of Organic Chemistry in 1879. He did much other work in connection with aniline dyes and on alkaloids, the latter including the manufacture of cocaine from ecgonine. He made a thorough study of cocaine and the bases associated with it in coca-leaves, such as benzoyl-pseudotropine, cinnamyl-cocaine, dextro-cocaine, methyl-cocaine, and hygrine. His researches also included anthraxobin, the constituents of cochineal and of osco-leaves, synthesis of narcotine and many allied subjects. He had been an honorary and foreign member of the Chemical Society for ten years.

**LLOYD.**—At The Cottage, Twickenham, on January 12, Mr. Henry Lloyd, Ph.C., aged eighty. Mr. Lloyd who was one of the old school of pharmacists, was in business at Richmond up to October 1914. He had been confined to bed for the last six weeks. He succeeded his father in the Richmond business, which had been established since 1826, although in 1835 it was transferred to the present premises at Richmond Green. Deceased was for forty years dispenser at the Royal Hospital, in which capacity he was assisted by his daughter. His son, Mr. Percy Lloyd, carries on the family business. The funeral takes place at Twickenham Cemetery on January 16, the funeral service being at the Parish Church at 2 p.m.

**MORRIS.**—At 425 London Road, Stoke-upon-Trent, on January 5, Mr. William Morris, chemist and druggist, aged seventy-eight.

**OWEN.**—On December 30, 1914, Mr. Edward Owen, Ph.C., Newtown, Montgomeryshire, aged eighty. Mr. Owen was a native of Montgomery, and was for a long period in business in Newtown. He retired from business about eight years ago.

**PLACE.**—Suddenly, at 417 Moseley Road, Birmingham, on January 10, Elizabeth, wife of Mr. Edward Bland Place,

chemist and druggist. Mrs. Place was very well known in the district, and did a good work among the poor in the neighbourhood.

**RUTHERFORD.**—At 25 Halton Place, Edinburgh, on January 6, Mr. Richard Rutherford, F.R.C.V.S., aged seventy-five. Mr. Rutherford qualified as a veterinary surgeon in 1860, becoming a Fellow of the Royal College of Veterinary Surgeons in 1879. He succeeded his father in business in Bread Street, and was prominently associated with the profession, holding various offices under the Royal College of Veterinary Surgeons. He was for many years veterinary inspector for the Royal Hackney Society of England, and was an examiner in veterinary hygiene in the University of Edinburgh.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

**ALDERMAN A. SIDNEY CAMPKIN, J.P.,** Cambridge, has been appointed a Charity Trustee by the Cambridge City Council.

**MR. VICTOR W. STANLEY,** formerly with Chas. Midgley, Ltd., Manchester, has joined the representative staff of A. Wander, Ltd., London.

**MR. CLEMENT J. WAIN, Ph.C.,** Red Lion Square, Newcastle-under-Lyme, has been appointed Director of Ceremonies of the Sutherland Lodge of Freemasons.

**MR. THOMAS SWALES,** druggists' sundriesman, Butt's Court, Leeds, and Hurst Lea, Headingley, has been elected Chairman of the Leeds branch of the United Kingdom Commercial Travellers' Association.

**MR. RUDOLPH DEMUTH** has recently returned from his business-trip to the United States, where he disposed of his interests in "Muthol." McKesson & Robbins, New York, purchased from him the American rights in "Analax" and "Frozocone," the latter a new solid eau de Cologne which he has recently introduced.

**MR. ALFRED H. M. PURSE,** chemist and druggist, was granted admission to the Faculty of Insurance in the degree of Associate at a meeting of the Council of the Faculty held in London on January 5. Mr. Purse is Auditor to the Insurance Committees of Sunderland, Shields, Gateshead, West Hartlepool, and Burton-on-Trent.

**MR. TOM F. BURTON, B.Sc.,** who has been appointed editor of the "Journal of the Society of Chemical Industry" in succession to Mr. Watson Smith, F.I.C., F.C.S. (retired on a pension), was entertained to dinner at St. Ermin's Hotel, Westminster, on Friday evening, January 8, Mr. Thomas Tyrer, F.I.C., F.C.S., Hon. Treasurer of the Society, having invited the editors of other journals connected with chemical-industry, chemistry, and pharmacy to meet him—a round dozen altogether. Professor G. G. Henderson, D.Sc., F.I.C., President of the Society, was in the chair, and was supported on the right by Mr. Burton and Dr. Rudolf Messel, F.R.S., and on his left were Sir William Crookes, O.M., the *doyen* of chemical editors (the "Chemical News" for over half a century), and Mr. John C. Umney, editor of the "Perfumery Record," the most recent of this group of journals. In the course of the evening success to Mr. Burton in his new sphere was cordially drunk, on the invitation of the President, and Mr. Burton modestly replied. Mr. Tyrer, in an exceptionally felicitous speech, proposed the health of Sir William Crookes, who wittily responded with a *verve* which almost belied his eighty-two years. Mr. Tyrer had arranged for some delightful music, but that did not make the company forget their indebtedness to him for paying the young editor so graceful a compliment and so rare an honour. Their sentiments were well expressed by Dr. Messel in proposing Mr. Tyrer's health before they parted. In his reply, Mr. Tyrer, as a founder of the Society, recalled the work that had been done, and Mr. Watson Smith's conduct of the journal since its commencement. Latterly Mr. Burton had been assisting him, and Mr. Tyrer predicted for Mr. Burton a successful career.



MR. TOM BURTON.



## Trade Notes.

SANTONIN is being advertised in this issue by a Russian dealer.

ELT'S COLLEGE, North Finchley, London, N., report that all day students were successful who entered for the Minor examination just concluded.

ZAM-BUK SHOWCARD.—A new showcard, in colours, has been issued by C. E. Fulford, Ltd., Carlton Hill, Leeds, as an advertisement for Zam-Buk. The card represents a Boy Scout rendering first-aid to a wounded companion, and is appropriately entitled "Be Prepared."

THE BRITISH CASEIN CO. (1911), LTD., Albumozo Works, 24 Great Dover Street, London, S.E., inform us that so great has been the demand for copies of their Pocket Diary and Note-book that they have exhausted the stock. A fresh supply is being printed, and copies will be despatched to applicants in a few days.

ENGLISH-MADE VACUUM FLASKS.—Attention is called to the manufacture of vacuum flasks in this country by Aërotors, Ltd., "Prana" Sparklet-works, Upper Edmonton, London, N. The flasks—glass interiors and the outer casings—are made entirely in England, and we hope chemists will do their best to encourage the manufacturers in this new industry.

LIQUID PARAFFIN.—William Browning & Co., 4 Lambeth Palace Road, London, S.E., are in a position to supply Russian liquid paraffin of exceptional purity and high specific gravity either in 1-lb. bottles or in bulk quantities. It is generally recognised that American petroleum differs in composition from the Russian oil, and many medical men prefer the latter kind for internal administration.

PLASMON, LTD., 66A Farringdon Street, London, E.C., are this month giving a special bonus on all orders of not less than 12. for Plasmon cocoa and Plasmon out-cocoa. These products are "all-British" in manufacture, just as the capital and directors of Plasmon, Ltd., are all-British. The cocoas sell at prices which show a fair profit to chemists, and the manufacturers assist retailers by supplying attractive calendars for distribution to customers.

THE USES OF BORAX.—The uses of borax and boric acid for industrial and household purposes are very numerous, but it was somewhat of a surprise to receive from the Borax Consolidated, Ltd., 16 Eastcheap, London, E.C., a book devoted exclusively to the use of the above-named chemicals in leather-manufacture. The book contains over 100 pages, and gives full directions for employing borax and boric acid in soaking, deliming, leaching, chrome tanning, and currying leather, while a section is devoted to recipes. All interested in the leather-trade will find the book useful. The title is "Borax and Boracic Acid in Leather-manufacture."

DRUG-LIST.—The Alliance Drug and Chemical Co., 34 Leadenhall Street, London, E.C., send us a copy of their new list for January. The difficulties in the way of compiling such a list are manifold at the present time, but these seem to have been successfully overcome. The introduction explains the procedure which is necessary when certain articles, at present on the list of prohibited exports, are required to be shipped, and the question of war-risks insurance is dealt with in a manner which should facilitate export business. We note that, in addition to drugs and druggists' sundries, a surgical-instrument department is in working order.

ELASTIC HOSIERY.—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, are manufacturers of elastic stockings and other surgical appliances made from elastic webbing. We have examined both the "seamless" and "ordinary" stockings, and find them to be well made. They are supplied in four qualities of cotton and the same of silk. As the company have the machinery on the premises, they are able to execute any special orders at a few hours' notice. They also furnish retailers with effective showcards for anklets, leggings, stockings, and thigh-pieces. These are well printed, with concise statements which catch the customer's eye. Further particulars may be obtained from the company on application.

METRIC WEIGHTS.—W. & T. Avery, Ltd., Soho Foundry, Birmingham, make every variety of scales required in the drug-trade—from the heavy machines for the wholesale to the most sensitive balances needed in dispensing and analytical work. Personal weighing-machines are also supplied. In regard to metric weights, the use of which will doubtless be accelerated by the requirements of the new Pharmacopœia, it is interesting to know that Messrs. Avery can supply all denominations from stock. Chemists who have hitherto only employed small metric weights will

find no difficulty in obtaining sets of larger weights. Messrs. Avery have branches or depôts in most large towns, where particulars can be obtained, or a direct inquiry should be made to the head office in Birmingham.

BRITISH-MADE CHEMICALS.—May & Baker, Ltd., writing in regard to the remarks by "Xrayser II." on the stoppage of supplies of German synthetics (*C. & D.*, January 9, p. 47), say: "The well-known local anæsthetic stovaine is not and never has been manufactured in Germany. It was discovered as the result of exhaustive research-work by M. Fournieu (hence its name), and has ever since been manufactured by Les Etablissements Poulenc Frères, of Paris. Again, leaving protargol out of the question, quite 75 per cent. of the silver proteinate and other similar organic silver salts to be found on the market are manufactured either in France or Switzerland. Germany produces only a comparatively small quantity. On the other hand, Germany has a complete monopoly, so far as Europe is concerned, of the materials used in the manufacture of potassium bromide."

THE FINE SHOWCARD, of which the annexed is a miniature reproduction, is presented to retailers by Mr. George W. Harrison, Caversham Road, Reading, and advertises Harrison's rat-poison. The original measures 18 in. long



by 15 in. high. The background stands about 4 in. behind the bulldog. This dog was painted specially for Mr. Harrison by Miss Maud Earl, the well-known dog-artist. The background is a fine seascape. The showcard is produced most effectively in colours, and at the present time it is just the sort of thing to exhibit in one's shop. Applications for it may be made to Mr. Harrison at the above address.

## Almanacs and Calendars.

This column is for brief mention of annual souvenirs presented by retailers to their customers, or issued by manufacturers and wholesalers. Specimens for notice should be addressed to the Editor of the *C. & D.*

Mr. Major Hill, chemist and druggist, 109 Norfolk Street, Wisbech, maintains the standard of his book-form almanac. The cover is in red, white, and blue, and the design embodies the flags of the Allies. There are several pages of medical notes, in which Mr. Hill's various specialties are recommended. Further on is a price-list of drugs, proprietaries, and surgical appliances, with illustrations that are sure to be appreciated by the laity, who as a rule are not well versed in the technical matters of a chemist's business.

Mr. C. B. Aram, chemist and druggist, Wellingore, sends out a leather-covered pocket diary, with pencil, which we should think must be greatly appreciated by his customers. Mr. Aram's business is an interesting one on account of the diversity of the side-lines which he attaches to the sale of drugs and dispensing of medicines. He is a tobacconist, newsagent, stationer, wine and spirit merchant, manufacturer of aerated waters, cycle agent, licensed dealer in gun-powder, cartridges, and explosives, and motor-spirit, an insurance agent, dealer in confectionery and groceries, and lets out a sheep-dipping machine.



## British Pharmacopœia, 1914.

### Medical Views.

"The Lancet" (I., 1915, p. 81) gives a list of the most noteworthy cases in which the potency of preparations has been changed in the B.P. 1914. It is recommended that, to remove any doubt which the dispenser might entertain, the prescriber, for a few months, should, in ordering *tr. strophanthi*, place after it the date "1914." Later in the same issue "The Lancet" calls attention to the fact that the text of the published volume differs in some particulars from the advance copies sent out to the Press, which shows that full use has been made of the opportunity afforded by the delay in publication. Medical men are assured that distrust of the metric system is quite unnecessary, as the preface clearly states that the metric system is primarily intended for pharmaceutical and analytical computations. The table of abbreviations is welcomed as desirable in the interests of consistency. A careful study of the preface is recommended, with a view to remove misapprehensions and misunderstandings.

The "British Medical Journal" refers to the use of the metric system in prescribing and dispensing, and reprints the system advocated by Dr. R. C. Buist in a report presented to the British Medical Association in 1911. This was printed in the *C. & D.*, May 6, 1911, p. 56. It is founded on the following procedure:

(a) The prescription is still to be based on the single dose.  
(b) In the case of mixtures sixteen doses are to be ordered by writing with figures only the number of grains or minims of each ingredient in one spoonful.

(c) In the case of pills and powders ten are to be ordered, and the prescription is to give in figures only the metric equivalent of the grains of each ingredient in the single dose.

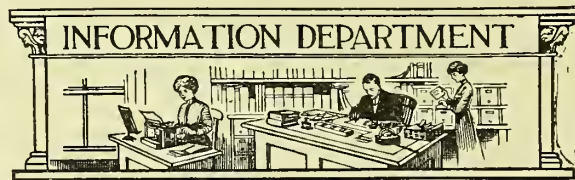
(d) The dispenser is to be informed that every prescription written without symbols is to be dispensed in metric measures.

### Illegible Prescriptions.

ILLEGIBLE PRESCRIPTIONS.—"The Lancet" says of the prescription which was facsimiled in our issue of December 26, p. 59: "The most atrociously illegible prescription we have ever seen. . . . Unless the dispenser and the prescriber had a private understanding and a private code—which is possible in some panel practices—there is only one thing to be said about such a scrawl, and that is that the medical man who wrote it ought to be ashamed of himself."

We learn from THE CHEMIST AND DRUGGIST that at a recent meeting of the Western Pharmacists' Association some difference of opinion was expressed as to a statement made by Mr. F. W. Gamble that no prescription should be really illegible to a trained pharmacist. Perhaps not; but Mr. Gamble will surely not deny that some prescriptions are illegible to pharmacists, just as some addresses are illegible to the trained officials at the Post-office, and as many signatures baffle all endeavours to decipher them. This would seem to be especially the case in France, where *signature illisible* is a familiar appendix to copies of official documents reproduced in the papers. A "trained pharmacist" has this advantage over ordinary people, that his professional knowledge will often enable him to guess at the meaning of hieroglyphs which convey nothing to other people. Moreover, he is often familiar with the scrawls in which doctors whose prescriptions he is in the habit of dispensing indicate the remedies they wish to administer. In other cases the scientific use of the imagination of the pharmacist may perhaps lead to a correct solution of a problem which at first sight looks hopeless; and it is at any rate conceivable that sometimes he may be driven to interpret the mysterious script in the light of what he thinks the doctor ought to mean. Our contemporary gives an example of a prescription by a panel doctor which might pass for an order of the great Napoleon written on the battlefield in his later days. It is described as a "futurist prescription": to us it looks like a magic formula in a strange Oriental tongue. The pharmacist—perhaps correctly, at any rate prudently—dispensed a mixture containing a moderate dose of magnesium sulphate. The interpretation was at any rate appropriate to the season. But we would respectfully suggest to doctors, whether on the panel or not, that they should take the trouble to write, if not beautifully, at least legibly enough not to put too great a tax on the ingenuity of those who have to give

material form to their therapeutic devices. The popular theory that illegible handwriting is a mark of genius is dangerous if applied in medical practice, and it is a fact that serious and even fatal accidents have been caused by the careless writing of symbols or the misreading of the preparation of an active drug.—*British Medical Journal*.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London E.C.

Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).

Telephone Number: 3617 CENTRAL (three lines).

### INFORMATION WANTED.]

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

223/13. "Annalee Ointment."	223/6. "Copenhagen Snuff."
223/180. Magnetic gloves (Darlair & Co., N. London).	228/12. "Multiform" truss.
223/181. Ruth Paxton's fountain syringe.	228/13. "Bynolax."
225/21. Dr. Pogson's skin soap.	227/10. Lavender flowers: supply.
224/57. "Strebor" preparations.	226/20. Cellulose - wadding: supply.
226/45. "Eska" atomisers.	225/65. White glass tie-over honey-jars: actual makers.
222/68. "Tripzine": supply.	229/62. "Cruzetone" (medical) tablets (made by the "Cruzetone Manfg. Co., London").
222/67. Terry's "Unique" pessaries.	
226/45. "Eska" atomisers.	

### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Aluminium measures, 220/65	Naphthalene, 227/40
Aniline salt, 221/11	N.H.I. prescriptions (pricing), 227/2
Bowker's Chiretta balsam, 218/46	Oliver Bond's dental cream, 216/50
Cinquin tablets, 216/58	Oriental hair-wash (Lanman & Kemp), 226/44
Deafness instruments, 228/25	Putty powder, 225/53
Dodd's gout pills, 217/56	"Record" syringes, 220/651
Fairve's cachets (Dutch inquiry), 224/35	Rexall remedies (London agents), 228/28
"Fenof", 217/27	Sal Hyeol, 218/19
Glass syringes, 220/650	Saturol, 228/29
"Hop and Rosemary" hair-tonic, 201/300	Scissors, British makers, 227/32
Iodé resublimé (British and French), 221/110	Teething necklaces (similar to Gehrig's), 217/56, 224/1, 225/29
"K.E.R." brand enamelled surgical ironware, 224/18	Transparent labelling (for brilliantines, etc.), 167/35
Liquid paraffin (American), 223/27	Transparent tears, 23/73
Menthol (first-hand suppliers), 219/38	"Vimule" pessary, 225/20

### APPRECIATIONS.

From a Provincial Druggists' Sundriesman:

"Many thanks for yours of the 3rd inst. You seem to have information on all matters. This is very useful, and we appreciate it."—(187/48.)

From a Lancashire Chemist:

"I thank you for information received this morning, and more especially do I thank you for the promptitude of your attention."—(65/15.)

From a North Country Firm:

"The mutual thanks of Messrs. —, of —, and ourselves are due to the Information Department for having introduced them to our notice, thereby allowing them the opportunity to supply us with twenty-four dozen of their non-alcoholic wines, and enabling us to purchase from them an article which was appreciated by our customers and profitable to ourselves, thus proving an eminently satisfactory transaction to all parties concerned."—(243/16.)

T. BIRD WOOD & SONS, wholesale druggists' sundriesmen, have opened premises at Vale Hall Stores, Tunbridge Wells.



## Observations and Reflections.

By Xrayser II.

### The Suspension of Pharmacy Journals

in Paris suggests a reflection on what has taken place in this country. So far as I know very few journals of any kind have actually ceased publication, though a large number of them appeared in a greatly reduced size immediately after the outbreak of the war. This was merely a precautionary measure due to the possibility of a paper famine, which fortunately has been averted. What seems to have hit many newspapers and journals hard has been the stoppage of large numbers of advertisements, and, if all stories be true, not a few journals are to be picked up at present at knock-out prices. Amid all the stress of this terrible time I have been delighted to observe that my favourite pharmacy journal, the *C. & D.*, has maintained its vigour apparently undiminished. Not only have its news pages been kept up to the usual high level as to quality and quantity, but there has been no perceptible diminution in the number of advertisements, all of which goes to prove that when there is only a limited amount to be spent in advertising the advertiser is careful to select the best medium for securing a return for his money.

### The Deputation to Mr. Masterman

is, we are told, to submit to him arguments on the "Administrative Expenses of Pharmaceutical Committees, the mile limit, the delay in payment of chemists' accounts, and on the stock mixtures." The worst grievance of all, the really fatal flaw in the Act so far as our interests are concerned, is thus apparently not to be mentioned—I mean, of course, the discounting clause. Yet we are assured that "no point has been omitted that can further the interests of pharmacists." It is impossible, in the circumstances, to accept such an assurance. The statement to be submitted ought to be published. The Chairman of the Committee says it cannot be, but he does not say why. Is it because he suspects that we should not consider it satisfactory? Certainly the Secretary's reference to the arguments by which it is to be supplemented is not so, and the secrecy in which the statement itself is to be kept is not calculated to beget confidence in its sufficiency. Personally, I have no great faith in any deputation to Mr. Masterman. If we cannot get at Mr. Lloyd George direct, we ought to approach him through Parliament. What is the bar or objection to that course? The timidity of the Society is unworthy of its position, and, since to approach Parliament behind its back would be ineffective, such pressure ought to be put upon the Council as would force it to a bolder policy.

### That the "Rep. Mist." Difficulty

is mainly due to the laziness of the doctors most of us are aware, but if anyone doubts it, an incident reported to me the other day may be cited in proof. A pharmacist in my neighbourhood, having after a good deal of trouble found the original of one of these "Rep. Mist." prescriptions, sent it to the prescriber with an explanation, and a request that he would write it out in full on an official form, in accordance with the regulations. The doctor did so, under protest, saying that this refusal to accept "Rep. Mist." would tell heavily against the patient, since he could not undertake to write out long formulæ on every consultation, and should in future prescribe only such things as could be expressed in briefer form. This gentleman is eager enough to get new patients on his list, but he appears to grudge them the time he has to devote to the work thus entailed upon him.

### What is a "Panel Formulary"?

We have it on good authority that a rose by any other name would smell as sweet, but apparently a stock mixture ceases to be a stock mixture when the prescription for making it figures in what is called by the not very complimentary term of "Panel Formulary." Doubtless some panel chemists would feel virtuously indignant if anyone dared to hint that they favoured the idea of a stock mixture; but let the very same mixture appear in a "formulary" and it is surprising how these men tumble to the idea at once, regarding it as one of the latest devices, which in truth it is, for saving the time, labour, grey matter, and cash of the overworked and underpaid dispenser of Insurance scripts. For silly, childish inconsistencies of this nature we chemists really take the biscuit, and the beauty of it is we refuse to acknowledge what is perfectly evident to every unprejudiced onlooker, and persist in maintaining that a mixture that figures in a Formulary, which the wholesaler makes up by the barrel, and which we buy at so much a gallon, is not a stock mixture. When will we clear our minds of cant and call a spade a spade?

### Mr. Lowes Dickenson,

a writer of rare charm and still more unusual insight, in his book, "Appearances," has several chapters on business in America; and as what so cultivated an intelligence thinks on such a subject should interest every tradesman, it may be worth while to state his view, especially since he evidently means it to be taken as a warning by ourselves. Broadly stated, his complaint is that in America business takes the place of religion, not indeed ostensibly, but none the less really: religion, he says, is there a business, and business a religion. "Business is so serious that it sometimes assumes the shrill tone of a revivalist propaganda"; and he quotes from different trade-circulars passages which justify the assertion. They might have been, though they are not, extracts from a sermon at a Rexall general meeting. And, on the other hand, "In a world where everyone is hustling the Churches feel that they must hustle too . . . they must go into business because business is going into religion."

### The Section of the Oxford Dictionary

published this month consists almost entirely of words with the prefix *sub-*, which it by no means exhausts, reaching, as it does, only to *subterraneous*, and leaving such forms of the prefix as *suc-*, *suf-*, *sum-*, *sur-*, and *sus-* untouched. The article on *sub-* occupies nearly six pages, and is thus the longest of its kind that has yet appeared in the Dictionary. The proportion of technical words and phrases in this section is unusually high, and includes many terms that belong to medical science, chemistry, and botany, only two or three of which can be mentioned here. In chemistry the prefix in the names of compounds indicates that "the ingredient of the compound denoted by the term to which it is prefixed is in a relatively small proportion, or is less than in the normal compounds of that name." In general use *sub-* varies considerably in force. Thus *subaqueous* means entirely under water; *subcartilaginous* is partly cartilaginous; *subsessile* is almost sessile. A *sub-atom* is a constituent part of an atom. Perhaps the most generally interesting and important word in the section is *substance*. Meaning originally the true nature or essence of a thing, this has developed an extraordinary number of secondary meanings, technical and other; its use as indicating a species of matter of a definite chemical composition dates from Arbuthnot (1732). *Sublime* and *sublimate*, and the group to which they belong, have a special interest for pharmacists. As verbs they have the same meaning for us, and they were once in one of their senses exactly equivalent to each other in non-technical usage too. *Sublime* is believed to be compounded of *sub-* and *limen*, a lintel or threshold, in which case it is allied to *subliminal*, though so different in meaning. *Sublimate*, though now, as a noun, used without qualification to indicate mercuric sublimate only, was in early times used also for sublimate of arsenic.

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## Editorial Articles.

### Over-prescribing.

A CORRESPONDENT of the "British Medical Journal" states that he has roughly calculated the cost price of the ingredients of a great number of his prescriptions during 1914, taking the cost of drugs from first-class wholesale druggists' lists. He submits specimens of the most numerous prescriptions and the cost prices of their ingredients, e.g.:

#### Mist. Acid. Tonic.

Aeid. nitro-mur. dil. ...	5iij. = $\frac{3}{4}$ d.
Infus. gent. eo. cone. ...	3j. = $\frac{1}{4}$ d.
Aq. ...	3viiij.
Total cost less than $\frac{1}{4}$ d.	

#### Mist. Acid. Hydrochlor. Dil. et Strych.

Aeid. hydrochlor. dil. ...	5iij. = about $\frac{1}{10}$ d.
Liq. stryeh. ...	5ss. = $\frac{1}{6}$ d.
Aq. ...	3viiij.
Total cost less than $\frac{1}{4}$ d.	

The chemist, he contends, is overpaid, and anyone studying these prescriptions and their cost, and comparing them with what chemists are paid, will understand why the amount allocated for chemists falls so much below their charges, and why they are content to accept payment with a large discount. The great majority of prescriptions, he states, are very inexpensive, but many men are accused of over-prescribing if, in cases of need, they give more elaborate prescriptions. Who, he asks, is looking after the interests of the insured and the doctors? Dr. Howard Murphy, of Twickenham, also contributes an article on the same subject to our contemporary, suggesting seven remedies, giving hints to prescribers, and showing how the B.P. can be improved. The remedies include removal of the tax on spirits, conference and co-operation between panel doctors and chemists, and a Panel Pharmacopœia for the whole country. Incidentally he says:

It seems that the British Pharmacopœia Committee needs strengthening by the addition of practical dispensers, medical men, and chemists. It should also have manufacturing and wholesale chemists to help it to get in touch with what is needed and used, and what is made, and to suggest economical alternatives, time-saving materials, new drugs, etc., to its notice. The manufacturers and wholesale chemists make up almost everything on the shelves and in the dispensary, and much of that in the chemists' shops. We trust them as to the quality of the drugs and preparations. If any examination of these is necessary, it should be made at the factories. . . . The composition and dosage of all preparations should be systematised and standardised on some rational plan, so as not to require frequent alterations. Revision should be more frequent—say, every five years; well-tried and much-used drugs and preparations should be more easily and freely admitted.

Neither of these writers gets to the root of the whole matter. It has been repeatedly proved that the depletion of Drug Funds, where that has occurred in



England, Scotland, and Wales, is due mainly to a comparatively small number of panel doctors, who in comparison with panel doctors in the same localities prescribe drugs up to ten or twenty times as much as the average (excluding the culprits) of the localities. Surely the first thing to be done in regard to such men is to strike them off the panel. Besides jeopardising the working of Medical Benefit, their conduct worries their medical brethren and robs chemists of money. The authorities are more too timid in facing this trouble.

### Overseas Trade in 1914.

THE Board of Trade Returns, which we briefly referred to last week, show that the December figures were decidedly better than those for November. In imports, the total decrease, compared with the 1913 figures, was only 3,560,000/., or 4.9 per cent., compared with 12,480,000/., or 18.2 per cent., in November, and 20,170,000/., or 28.1 per cent., in October. On the export side there was a drop last month of 17,048,000/., or 39.3 per cent., compared with 20,154,600/., or 45 per cent., in November, and 18,020,000/., or 38.6 per cent., in October. The features of the December imports include an advance of 7,900,000/., in foodstuffs, much of this being due to higher prices. An advance of 1,895,000/., in grain and flour was wholly due to this cause, the quantities imported, with the exception of maize, being smaller than before. Dutiable food (sugar) showed a gain of 4,924,000/., which is explained by the arrival of very large quantities purchased by the Government to replace German and Austrian goods. Among the imports of raw materials there was a drop of 7,198,000/., of which 5,306,000/., applied to raw cotton, but the quantity imported was only 750,000 centals less; several millions sterling was saved on this item. Oil-seeds and the like were up by 338,600/., imports being valued at 3,456,000/., a fair proportion of the advance being due to much larger imports of petroleum; oil-seeds like rape, linseed, and castor declined. Manufactured articles fell off by 4,139,000/., only two items (copper and leather) representing increased quantities. Chemicals and the like fell off by 46,000/., to 1,104,000/., the only items of any importance showing an increase being saltpetre by 22,051 cwt., Peruvian bark 3,038 cwt., indigo 1,969 cwt., and myrabolans 27,351 cwt. The decline of seventeen millions in December exports is made up of practically twelve millions in manufactures, 2.8 millions in raw materials, and 1½ million in foodstuffs. Among the manufactured goods cotton, as usual, suffered the most, showing a drop of 4,870,000/.; woollen goods declined by 1,171,000/., machinery by 1,501,000/., and iron and steel goods by 1,773,000/.. There was also a decline of 210,640/., in chemicals and the like to 1,495,000/.. Over 50 per cent. of the decline is placed against unenumerated chemical manures (not ammonia sulphate). Coal products not dyes account for 85,500/., of the decline, painters' colours 91,300/., and glycerin 37,700/.; welcome features are an increase of 1,056 tons of copper sulphate, valued at 18,359/., also an increase of 182,700 cwt., or 56,500/., in soda compounds of an all-round character. The medicine section shows up well, being 16,700/., more at 222,000/.; of the increase 7,900/., was due to larger exports in quinine by 115,932 oz.

When we come to the results for the whole year they are far from discouraging, having regard to the facts that they include five months of the war, that 1913 was

a "record" high year, and that trade was already showing signs of slackening-off before the outbreak of hostilities. We find that the year's imports are valued at 697,432,649/., or 71,302,090/., less than in 1913 and 47,207,982/., less than in 1912. The exports were valued at 430,230,725/., or 95,014,564/., less than in 1913 and 56,992,714/., less than in 1912. It is noticeable that the nation's food-bill is only 7,737,000/., higher, and had it not been for the exceptionally large purchases of sugar at higher prices an actual decrease would have been recorded. We also bought larger quantities of tea, coffee, and cocoa than in 1913, and our purchases of wheat and meat were almost as large as in the preceding year. It is evident, therefore, that our food-supplies have not been interfered with. Among raw materials, which are down by 45,352,000/., cotton leads the way with a shrinkage of 15,225,000/., in value. But there is only a falling-off of three million odd centals, so that Lancashire has not been so hard hit as would appear from the reduction in value. Wool and other textile materials, as well as timber and rubber, show heavy decreases in value, but the quantity of rubber imported was only a trifle smaller. Our purchases of petroleum, on the other hand, amounted to 158,700,000 gals. more, and we bought 47,000 tons more of copper. Oil-seeds and allied products were only 200,000/., less, on a total of 41,376,000/.. Of manufactured goods we imported 33,225,000/., less, the greater part of which, no doubt, consists of goods which can be made in this country. Our purchases of chemicals, drugs, dyes, and colours fell off by 868,610/., to 12,036,905/.. With few exceptions they are raw materials which cannot be produced here, and a summarised list is as follows:

	1912	1913	1914
Acetic acid ... cwt.	81,687	75,128	77,197
Bleaching-materials ... "	175,982	139,654	106,367
Borax compounds ... "	415,158	468,923	403,137
Brimstone ... "	435,201	364,283	435,979
Calcium carbide ... "	377,137	513,797	575,443
Coal products, not dyes ... "	145,805	119,909	137,916
Cream of tartar ... "	79,855	79,700	66,686
Glycerin, crude ... "	112,764	87,908	85,176
" distilled ... "	22,902	22,076	15,613
Potash compounds—			
Saltpetre ... "	217,202	237,880	209,819
Other sorts ... £	619,161	630,234	481,210
Soda compounds ... cwt.	178,470	179,801	208,196
Tartaric acid ... "	42,177	45,936	40,137
Unenum. chemicals ... £	1,554,079	1,718,922	1,573,360
Peruvian bark ... cwt.	24,250	26,122	33,346
Quinine and salts of ... oz.	3,063,894	2,422,944	1,888,515
Unenum. drugs ... £	1,391,881	1,302,860	1,224,926
Cutch ... cwt.	79,468	52,781	59,568
Alizarine ... "	61,178	60,813	31,220
Aniline dyes ... "	283,878	283,027	192,369
Synthetic indigo ... "	28,302	23,689	15,516
Indigo ... "	7,073	4,174	5,312
Unenum. dyestuffs ... "	156,416	136,099	149,935
Painters' colours and pigments ... "	2,840,085	2,790,938	2,053,739

On the export side manufactured goods declined by 73,217,000/., raw materials by 13,194,000/., and food-stuffs by 5,652,000/.. Of the decline in manufactures about thirty millions was in cotton and woollen textiles, the biggest declines elsewhere in the list being in iron and steel and other metal manufactures and new ships. The chemical exports were as follows:

1912	1913	1914
£21,036,330	£21,974,386	£19,529,722

The decline, compared with 1913, is 2,444,664/., and with 1912 1,506,668/.. Taking war conditions into consideration, the above figures are by no means unsatisfactory, and among some branches there is great activity due to the closing of German ports. Soda compounds

and bleaching-powder are two articles affected by the stoppage of shipments from Germany and Belgium. Some of the leading exports are as follows:

	1912	1913	1914
Bleaching-powder ... cwt.	825,963	726,390	599,178
Coal-tar products, not dyes ...	£ 2,249,892	2,661,148	2,205,287
Glycerin ... cwt.	194,648	242,061	135,918
Sulphate of ammonia tons	285,043	323,054	313,877
Medicines, comprising drugs and medicinal preparations ...	£ 2,236,390	2,351,781	2,301,403
Muriate of ammonia... cwt.	130,116	95,461	91,220
Potash compounds ...	£ 238,530	258,936	193,931
Soda compounds ... cwt.	6,793,972	7,266,862	7,187,621
Sulphuric acid... "	104,546	170,503	95,250
Tartaric acid... "	13,956	16,401	9,676
Chemicals, other sorts	£ 2,816,529	2,630,779	2,735,699

### Scarcity of Thymol.

WE referred in our issue of September 26, p. 74, to the scarcity of thymol, which had been exclusively manufactured in Germany. The Imperial Institute has now issued a circular letter on the same lines, and in the course of it remarks:

There is every reason why the United Kingdom should now become the chief centre for the manufacture of thymol. The manufacturing process is quite simple, and ample supplies of ajowan-seed are available in India. The Imperial Institute, which has devoted attention to this subject, has now made inquiries in India, and is prepared to put intending British manufacturers of thymol in touch with Indian exporters of the seed. Fortunately, too, a British Possession can provide a substitute for thymol if such be required. This substance is carvacrol, which is obtained from oils derived from a variety of plants, but particularly from the *origanum* of Cyprus. At the instance of the Imperial Institute, this Cyprus *origanum* oil is already being produced in commercial quantities from wild plants in Cyprus, and in 1913 was exported thence to the United Kingdom to the value of 930*l*. It is believed that the plant can be cultivated profitably and on a large scale in Cyprus, and experiments in this direction are understood to have been begun.

The suggestion as to carvacrol was put forward by the "Perfumery Record" in October, with various other sources of the phenol. "The Times" printed the Institute's letter in large type on Wednesday—a distinction for three months' old news which is unusual.

### Associated Trade-marks.

IN dealing with this subject last week (*C. & D.*, January 9, p. 49), we mentioned incidentally that the "Aspirin" trade-marks are associated. It is desirable to add that the association is between various marks embodying the word "Aspirin" as follows:

ASPIRIN, No. 221,673, registered in December 1899, and owned by *Farbenfabriken vormals Friedrich Bayer & Co.*, 217 Königstrasse, Elberfeld, Germany.

The associated marks belonging to the same proprietors are:

NOVASPIRIN, 284,656, registered in October 1906.

ASPIRINOIDS, 284,821, registered in September 1906 by Schacht, Warner & Co., and assigned in 1907 to *Farbenfabriken vormals Friedrich Bayer & Co.*

NOVASPIRINOIDS, 298,391, registered in March 1908.

DIASPIRIN, 301,139, registered in July 1908.

The same marks are also registered under the numbers 322,523, 322,524, 322,531, 322,552, and 322,553, these latter marks being owned by the Bayer Co., Ltd., 20 Booth Street, Manchester. The question of the existence of identical trade-marks on the Register and concurrent user is governed by Section 21 of the Trade-marks Act, 1905, which permits the registration of identical marks subject to conditions and limitations as to mode or place of user. In the case of the marks referred to above the limitations took the form of an agreement between the two Bayer companies restricting the use of

the marks respectively outside and within the United Kingdom—that is to say, the Elberfeld company use the marks outside the United Kingdom and the Manchester one within the United Kingdom. As already explained, No. 221,673 is the mark which the Board of Trade proposes to void.

### Criminal Abortion.

THE question has been raised in "The Lancet" as to whether a medical man, attending a case in which evidence exists of criminal abortion, should inform the legal authorities. Dr. W. H. Wilcox, after discussing the question and pointing out that natural abortion is exceedingly common, concludes as follows:

In cases of abortion where, after consultation with a specialist, it is decided that there is conclusive objective evidence of criminal interference, quite irrespective of any statements made by the patient, then there is no doubt that the duty rests with the medical practitioner to inform the legal authorities. His duty to the public and to himself must, I think, in such cases override any obligation of secrecy arising out of the confidential relationship in which a doctor stands towards a patient.

### Chemistry in Japan.

PROFESSOR OITO N. WITT charged the Japanese with ingratitude in making use of knowledge acquired from the Germans to wage war upon Germany (*C. & D.*, December 19, 1914, p. 37). This turns out to be another example of German megalomania in that Germany had very little to do with the acquirement of chemical knowledge by Japan. It was the Dutch who were the chief inspirers of modern Japan. The Dutch "Pharmaceutische Weekblad" shows that forty years ago Geerts, Dwars, Plugge, and Eykman, well known in chemistry and all Dutchmen, were teaching that science or were directing chemical-laboratories in Japan. There is proof of this in the files of our contemporary in that a large number of communications from Japan are published from these chemists. The first Japanese Pharmacopœia was drawn up by a Commission appointed in 1880, and of the five Europeans who sat on this Commission three were Dutchmen—Beukema, Geerts, and Eykman. The work was not finished till 1887, by which time several changes had taken place in the constitution of the Commission, but only one of the members was a German. At the International Exhibition at New Orleans in 1885 the Japanese had an excellent show of home-made chemicals, from which it will be seen that the influence of the Dutch was in a practical direction. We may also put in a word for the services of the late Dr. Divers to chemistry in Japan.

### Army Dispensers.

WE have recently been receiving a number of letters from persons in the Army, such as the following:

"Could you kindly give me the names of books which would give me an insight about drugs and their action as medicines? I'm attached to the Royal Engineers as ambulance, but first-aid isn't sufficient qualification to do justice to the work. Every day the surgeon of the Corps asks for drugs which are in my case, and also dispense medicines for patients; and, not understanding drugs, naturally feel I am very ignorant. If you will kindly let me know how to get this knowledge without taking a chemistry course I should be much obliged."

The writer of another letter professes to be a corporal in the Royal Army Medical Corps, and he also wants to learn quickly how to dispense medicines. We understand that a few retailers in various parts of the country have been consulted by these non-professional compounders as to how they can get up the subject, and we shall be glad to hear from any chemists who have had this experience. There is



general complaint among chemists and chemists' assistants who have joined the Corps as privates that the Army authorities do not want their services as pharmacists. It seems desirable that the matter should be gone into thoroughly, so that pressure may be put upon the War Office to utilise as dispensers men with pharmaceutical experience rather than persons who have no knowledge of medicines and the methods of dispensing. If there are not enough of such men in the Army, more can be got. On one day this week we had several inquiries about the special terms that were offered to dispensers when the war broke out (*C. & D.*, August 8, 1914, p. 35). The Army Order then quoted said:

Men desirous of appointment to the Royal Army Medical Corps who are qualified as dispensers will be required to produce the Minor certificate of the Pharmaceutical Society, or a similar diploma, such as that issued by the Societies of Apothecaries in London or Dublin, or testimonials from a medical practitioner or chemist that they have performed the duties of dispensers during the last three years.

The War Office withdrew the offer then made (a bounty of 5*l.* and 6*s.* a day), and the only way of entrance now is to join as a private. Will those interested please note?

### Warble-fly.

DR. A. E. SHIPLEY, Master of Christ's College, Cambridge, whose series of papers in the "*British Medical Journal*" on insects have been such an attractive feature of recent issues, deals in the January 9 number with the warble-fly. At a time when leather is so much in demand anything which lessens the supply is particularly of interest. The warble-fly by perforating the skin of oxen from which leather is made, not only decreases the value of the leather, but also of the beef from the same animals. The milk-supply of the country is also adversely affected. Attempts have been made to estimate the loss which the warble-fly causes, and the figures arrived at are 5*s.* to 6*s.* on every warbled hide, and 6*s.* 8*d.* on a warbled carcase. In the aggregate this must represent an enormous sum. Much research-work has been done on the subject of preventing the attacks of the warble-fly. On this point Dr. Shipley states "a great many 'dips,' ointments, and chemical solutions have been recommended for the prevention of grubs in cattle, but none have proved really satisfactory. The tedious method of removing the grub from the tumour is the only safe one. This can be done by the mere pressure of the fingers when the grub is nearly mature and ready to leave its host, or by the use of small forceps should the grub be young and recalcitrant. Once removed the grub should at once be destroyed, and some such antiseptic as coal-tar applied to the vacated tumour."

### Wills.

MR. FREDERICK WILD, J.P., chemist and druggist, Vernon House, Hyde, who died on December 1, aged seventy, left estate of the gross value of 23,369*l.* 8*s.* 3*d.*, of which 10,780*l.* 7*s.* 5*d.* is net personality.

MR. WILLIAM KING, Ph.C., 61 Trinity Street, Huddersfield, who died on November 11, aged eighty-one, left estate of the gross value of 19,506*l.* 16*s.* 7*d.*, of which 14,438*l.* 14*s.* 9*d.* is net personality.

MR. ROBERT JOHN LATHAM, chemist and druggist, 17 Northgate, Cottingham, who died on October 24, aged sixty-five, left estate of the gross value of 8,948*l.* 14*s.* 9*d.*, of which 7,244*l.* 4*s.* 7*d.* is net personality.

RUSSIAN QUICKSILVER.—It is reported that steps are being taken to revive the quicksilver-industry in Russia by exploiting the cinnabar-deposits known to exist in Daghestan, Ter, Kuban, Trans-Baikal, in the Urals, Nerschinsk, and Ekaterinoslav.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### The "Discounting Clause."

IN A.D. 1913 the world saw the entry into commerce for the first time on a large scale of an entirely new principle—the principle of discounting, the principle of paying for an unlimited supply of commodities and labour with a fixed sum of money. This epoch-making event took place, not in the backwoods of America, or in the heart of Africa, but in enlightened England, under the very eyes of the Governor of the Bank of England. It was coaxed and slapped into an anemic existence under the maternal eyes of his Majesty's Commission on Insurance.

During the thousands of years in which men have bartered and traded they have felt the necessity of adhering to certain rules or principles, so that there is what might be called a moral code regulating the conduct of business. Violations of this code on the part of a trading concern result in a loss of prestige or of reputation, and compel us to support an army of judges, counsel, policemen, official receivers, legal advisers, and so forth. Any attempt on the part of a concern to evade payment for work done or goods supplied is liable to result in either a civil or a criminal action. Our vocabulary is rich in such words as bankrupt, insolvent, defalcations, breach of contract, unfair agreement, etc. Now, the fundamental basis of this code is that debts shall be paid in full, subject, of course, in certain cases to a small fixed discount for prompt settlement. This principle of payment at the rate of 100 per cent. is universally accepted as the foundation-stone of all commercial undertakings, and the only honest way of conducting business. It applies equally to an Insurance Commission and an itinerant newsvendor. It is respected alike by the Archbishop and the Bashibazouk. It holds sway, so to speak, from Dan to Beer-sheba. Attila observed it, the Thugs found no fault with it; the Aborigine defended it with his boomerang, the Gurkha with his kukri, the Sioux with his tomahawk. Not a Dervish or a Zulu but would count his life well lost in fighting for it.

Very well; the Insurance Commission in 1913 introduced an amendment to this time-honoured principle. In future payment in full should be subject to contingencies—

Provided the doctors prescribed carefully;

Provided the people took care of their health;

Provided the drug-crops were good and prices low.

As who should say to his prospective landlord:

"I am prepared to rent this house from you on condition that if, after paying my other debts, I am short of cash, you will accept a discounted sum calculated in accordance with the extent of my impecuniosity; and, as you are unlikely to get another tenant, you had better accept my terms."

The fact that the chemist agreed to the principle does not exculpate the other party to the agreement, because the thing was in the truest sense forced upon the chemist, and was accepted by him as a temporary expedient under protest. The chemist has the clearest possible right, after two years' trial with its accumulated fund of facts and figures, to have the grotesque anomaly remedied.

Either this discounting system is right, or it is wrong.

Either it is fair, or it is unfair.

If it is fair and right, why is its application not extended? Why does not the Admiralty make contracts for Dreadnoughts on the same basis? Why are not the khaki-uniform contractors asked to submit to similar terms? Why does not my firm declare a discount off my salary at the end of the year? If the principle is right they are entitled to do these things. But they don't. Why?

Because the principle is wrong.

Because a Bashibazouk wouldn't do it.

Because a Hun wouldn't do it.

Because in his saner moments a Prussian wouldn't do it.

Because it is wrong, and can never be anything else.

GRANVILLE SHAW, Ph.C.

## Reports from Local Centres.

*With special reference to the supply of medicines and appliances. See also Winter Session.*

### ENGLAND.

**Buckinghamshire.**—Ninety-five per cent. of chemists' accounts paid for the last quarter of 1914 amounted to 404l. 15s. 7d.

**Bury.**—The Insurance Committee on January 5 approved of a recommendation of the Medical Benefit Sub-Committee to the effect that, in view of the anticipated reduction in the Medical Benefit Fund, the advances to chemists be reduced from 66.6 per cent. to 50 per cent. of their accounts. The same Sub-Committee also reported that they had considered the case of a doctor, who had prescribed for an insured person not on his list, and had repeated the offence after having been asked for an explanation. The patient had since been transferred to the doctor's list, and the Sub-Committee now recommended that the practitioner should be requested to remit to the Committee the cost of the prescriptions issued to the insured person prior to the date of transfer. The recommendation was adopted.

**Gloucester.**—At a meeting of the Insurance Committee held on January 11 it was decided, on the recommendation of the Finance and General Purposes Sub-Committee, to surcharge, to the total extent of 210l. 1s. 11½., certain doctors, the cost of whose prescriptions exceeded the amount allowed. A motion that, with the approval of the Commissioners, a clause shall be inserted in the 1915 Drug Tariff providing that panel chemists shall be paid a copying-fee of 1d. for each prescription which does not specify the whole of the ingredients to be supplied, but merely the words "Rep. mist.," was referred to the Panel and Pharmaceutical Committees for consideration.

**Lancashire.**—Several chemists whose business is almost entirely done in county boroughs have resigned from the panel. According to a report of the Insurance Committee issued on January 9, the 1915 panel consists of 625 dispensing contractors (674 in 1914) and 65 non-dispensing contractors (77 in 1914).

**Leicestershire.**—The Finance and General Purposes Sub-Committee reported to the Insurance Committee on January 6 that, in view of the small claims on the Drug Fund during the last quarter of 1914, there is no reason to anticipate a deficit at the end of the medical year, and they recommended that the Committee continue to pay chemists' monthly accounts in full.

**Liverpool.**—At a meeting of Liverpool doctors on Wednesday afternoon, January 13, it was resolved that: "This meeting of Liverpool panel practitioners protest against the abolition of the 'Rep. mist.' prescription-form in the Liverpool area." While being against abolishing the "Rep. mist." prescription, the meeting agreed (1) when writing "Rep. mist.," to give the date of the original prescription, and (2) no "Rep. mist." to be more than one month old when given. The meeting was against the practice of giving a triplicate prescription, as it thought a duplicate prescription is quite sufficient. It was, however, pointed out that the triplicate prescription is to test the honesty of the chemist.

**Reading.**—The Medical Benefit Sub-Committee reported to the Insurance Committee on January 6 that the Commissioners had approved of the arrangements made for the supply of drugs and appliances in 1915, subject to minor alterations in the wording of the Tariff. The chemists' panel for 1915 consists of fifteen dispensing contractors (eighteen shops), two non-dispensing contractors, and one contractor for the supply of appliances only.

**Rochdale.**—The Insurance Committee on January 11 acceded to a request of the Pharmaceutical Committee that the period of opening of chemists' shops on Sunday afternoons should be reduced from one hour to half an hour.

**Sheffield.**—Some soreness has been caused among panel chemists by the extra discounting of the 1913 accounts, and in a few cases they have protested by refusing to sign the receipt-forms as a settlement of their accounts. In their fight to obtain fuller payment (*C. & D.*, December 12, 1914, p. 59), doctors and chemists have the support of Sir William Clegg, Chairman of the Insurance Committee, who regards it as unfair that they should be mulcted in their fees because of the errors of Committees in other districts. He has expressed the hope that at the coming conference they will be able to present practical suggestions to help them to obtain the balance to which they are entitled. The Panel Committee has agreed to reconsider the question of stock mixtures under the stock-mixture clause, and panel chemists will be notified of the final arrangement in due course.

**Southend-on-Sea.**—A meeting of the Insurance Committee was held on January 1, when it was agreed to adopt the Drug Tariff as supplied by the Commissioners. It was stated that the prescription-books supplied to the doctors were in the form of those of two years ago, and it was decided to ask the Commissioners for the more convenient and up-to-date form. The Clerk reported that so far four chemists had agreed to serve on the panel, three had withdrawn, and no reply had been received from the other twenty-two at the date of the meeting, but it was expected that there would be further acceptances.

**Staffordshire.**—A return to the Insurance Committee shows that there are 165 chemists on the panel for 1915, against 165 in 1914.

**Surrey.**—The Panel Committee at a recent meeting resolved to print and circulate among panel practitioners in the area a circular on economy in prescribing. It was agreed to approve of the Surrey Insurance Committee joining with the London and Middlesex Committees for the checking of prescriptions in 1915, the Panel Committee paying one-third of the cost on the understanding that the Insurance and Pharmaceutical Committees do the same.

**Wolverhampton.**—The Panel Committee at a recent meeting considered the Dudley, Smethwick, West Bromwich, and Wolverhampton Insurance Committees' draft scheme for checking prescriptions. It is proposed to appoint a checker at a salary of 120l. per annum, the Committees concerned to pay the expenses incurred in proportion to the number of prescriptions examined for each area. The scheme will be under the control of a Joint Committee, and it is provided that where the Panel and Pharmaceutical Committees contribute to the scheme, they shall be empowered to appoint one of the representatives for the area. The scheme is subject to the approval of the Commissioners, and, if approved, will take effect as from January 1, 1915.

**Yorkshire.**—The North Riding Panel Committee has decided to make arrangements with the checker for the area, with a view to his surveying abnormal prescriptions on behalf of the Committee.

### SCOTLAND.

**Aberdeen.**—A Sub-Committee on January 11 considered the Commissioners' proposal to establish a Central Prescription-checking Bureau, and agreed to recommend the Insurance Committee to take the opinion of counsel as to whether the Committee has the right to appoint its own checker, and whether the Commissioners can force the Committee to take part in the central scheme against its desire.

**Clydebank.**—The Insurance Committee has decided to support the Glasgow and other Committees in their protest against the establishment of the Central Prescription-checking Bureau.

**Fife.**—The County Insurance Committee has appointed Mr. Cox to represent the Committee in connection with the arrangements for a Central Checking Bureau. The Committee was divided on the matter, but carried the motion by 22 to 16, after Mr. Yule, chemist, Cowdenbeath, had assured his fellow-members that centralisation is the most economical and accurate way of dealing with the question, and necessary in fairness (1) to the insured persons, (2) to the doctors, and in justice to the chemists, who are working under a most peculiar bargain.

**Stirlingshire.**—At a meeting of the Insurance Committee on January 7, the Clerk (Mr. Jas. Learmonth) made a statement in regard to the Central Prescription-checking Bureau, in the course of which he said he had had a meeting with representatives of the Glasgow, Lanarkshire, and Wishaw Committees, who were also opposed to the scheme. As it was felt that the Regulations were *ultra vires*, interfering with the local administration of the Committees, a memorial had been prepared for the opinion of counsel, and he suggested that the Committee should combine with those Committees in obtaining that opinion. The further procedure, of course, would require to be carefully considered, but possibly their object might be accomplished by Parliamentary action. If the Bureau is formed the Committee will have to pay 75l. per annum, and, in the opinion of the Clerk, will receive no benefit they do not already have without any expense. It was agreed to join with the other Committees mentioned for the purpose of obtaining the opinion of counsel (Mr. J. A. Clyde, K.C., and Mr. C. D. Murray, K.C.). [The Glasgow Committee has held no meeting so far for the purpose of considering a vote of funds for obtaining the opinion of counsel.]

### WALES.

**Cardiff.**—The Insurance Committee has decided that it is inadvisable that it should take part in the establishment of a Central Prescription-checking Bureau, as sug-



gested by the Association of Welsh Insurance Committees, until the local scheme has been further tested.

**Montgomeryshire.**—At a meeting of the Insurance Committee, held on January 11, a letter was read from the Pharmaceutical Committee, protesting emphatically against the publication in the Press of the chemists' accounts under the Act. At a recent meeting of the Committee, Dr. Shearer protested against the doctors' accounts being similarly published. After a long discussion, it was agreed to defer the matter pending inquiries by the Clerk as to the custom of other Insurance Committees.

## Winter Session of Meetings of Trade Associations.

(See also "Insurance Act Dispensing.")

**Blackpool.**—A meeting of the Blackpool and Fylde Pharmacists' Association was held on January 8 at the Palatine Hotel, Blackpool. Mr. Huddart (President) was in the chair, and there were eleven other members present. The Hon. Secretary (Mr. Bailey) submitted correspondence regarding dispensing for troops billeted in the town. The situation was regarded as unsatisfactory, but it was decided to take no further action. The *New B.P.* was considered, and a meeting is to be arranged between the local Medical Committee and the Drug Sub-Committee of the Association to discuss the questions involved. A letter was read from Mr. Speight urging that some concession should be made to registered chemists and druggists desirous of entering the medical profession. It was decided to send a resolution to the Pharmaceutical Society urging the Society to use every endeavour at once to obtain facilities for registered chemists and druggists to enter the medical profession by urging upon the General Medical Council the advisability of exempting chemists from the medical Preliminary examination.

**Glasgow.**—The Council of the Glasgow and West of Scotland Chemists' Association have had under consideration complaints from the west-end of the city regarding serious disregard of the half-holiday closing order. It is well known to the Council that the local authority is unsympathetic regarding the chemists' half-holiday. Instructions have been given to the Secretary to communicate with the local authority regarding these persistent breaches of the Act, and, failing satisfaction from this quarter, the Secretary has instructions to report to the Secretary for Scotland. At the same meeting of the Council the President (Mr. McMillan) presented to the Association Library a copy of the B.P. 1914, and Mr. J. P. Gilmour presented a copy of "The Chemist and Druggist Year-book" for 1915. Both were thanked. A letter was read from Lever Bros., Ltd., in reply to a protest from the Trade Committee regarding the cutting of profit on the sale of Pears' soap. Hope was indicated that somewhat better terms for the retailer are under consideration by the proprietors. It was also recommended that the Trade Committee make strong recommendations to Bovril, Ltd., in favour of placing their preparations on the P.A.T.A. It was reported to the Council that certain preparations of "German" manufacture are under the consideration of the P.A.T.A. at present, and that a movement is on foot to remove them from the Protected List on the sole ground that they are "German." It was thought that this action on the part of the P.A.T.A. was uncalled for, and would result in considerable hardship to those who hold a stock of those articles, for which there is still a considerable public demand.

**Great Yarmouth.**—A meeting of the Great Yarmouth Pharmaceutical Association was held on January 7, Mr. A. E. Richmond in the chair; also present six members and Mr. J. Shearman (Hon. Secretary). Discussion arose with regard to *Earlier Closing*, but as it was difficult to get an agreement on the proposition the matter was adjourned to the next meeting. Conversation then took place on the *New B.P.*, especially with regard to *tr. opii*. It was felt that laudanum of the B.P. 1898 would be universally sold retail, and that a label should be attached pointing out it is the 1898 preparation. It was agreed that in future Insurance prescriptions be dispensed according to the new B.P., the Secretary of the Panel Committee to be notified of this decision.

**Halifax.**—The annual meeting of the Halifax Chemists' Association was held this week. Mr. H. K. Woodward presided, and there were eighteen members also present. The officers were re-elected as follows: *President*, Mr. H. K. Woodward; *Vice-Presidents*, Messrs. J. W. Tiffany, B. C. Hodgson, and J. A. Sutcliffe; *Treasurer*, Mr. P. W. Swire;

and *Hon. Secretary*, Mr. R. V. Sutcliffe. It was decided not to hold the annual dinner this year. A discussion took place on the *Sale of Laudanum*, and it was unanimously decided that, in the public interest, chemists should sell the 1893 B.P. laudanum under a declaratory label. The Secretary was instructed to write to the local Medical Association, asking them to fix a definite date upon which prescribing of preparations included in the new Pharmacopoeia should come into operation generally in the Halifax area.

**Huddersfield.**—A meeting of the Huddersfield Chemists' Association was held on January 12 at the Cherry Tree Hotel, Mr. J. F. Russell presiding. Mr. R. C. Walshaw reported that of the arrears due to chemists from *The Drug Fund* for the year ending 1913, 70% would probably be paid by the West Riding County Committee, leaving a deficit of 20%. Steps were being taken to reduce the suspense list of 1914. The Panel Committee's scheme for surcharging the doctors for excessive prescribing is not approved by the Commissioners, and a new scheme has been adopted. The Panel Committee is to ascertain what has been spent for each patient, and if the sum exceeds 2s. per head the doctor would be surcharged the amount. With regard to the *New B.P.*, it was decided to dispense preparations of the B.P. 1898 until March 31, unless an intimation is received to the contrary from the medical men. A sum of 17. 12s. 6d. was collected for the Belgian Doctors' and Pharmacists' Relief Fund.—The Association has decided to form an *Ambulance Section* in connection with the Huddersfield Military Training Corps, in which a large number of business men have been enrolled. The President (Mr. J. F. Russell) said that there had been a good response to a circular sent out after the special meeting held on December 30, and Mr. Spurr said he had no doubt that the Section would be about forty strong. Drilling will begin as soon as arrangements can be made.

**Hull.**—The Hull Pharmacists' Association held their annual meeting in the Grosvenor Hotel, Hull, on January 12. The chair was taken by Mr. T. W. Robinson (President). A letter was read from Mr. Uglov Woolcock, in which he said that he did not know of any Insurance Committee which does not allow a dispensing-fee for liquid preparations, and so is unable to give the Hull Association any advice. He pointed out, however, that a Tariff agreed upon by panel pharmacists and the Insurance Committee cannot legally be departed from without the consent of the contracting parties. It was decided to refer the letter to the Pharmaceutical Committee. Mr. R. F. Jones read the annual report, which showed that the meetings had been well attended, and much interest taken in the discussions. A contribution of 10% had been made to the Pharmaceutical Parliamentary Fund. Mr. Sellé reported on the work of the Pharmaceutical Committee. The Treasurer (Mr. Spilman) said he had 13l. 6s. 7d. in hand and at the bank, compared with 10l. 18s. 11d. last year. The reports were adopted. The election of officers then took place, as follows: *President*, Mr. I. W. Chapman; *Vice-Presidents*, Messrs. Sellé, Robinson, and Smith; *Treasurer*, Mr. Spilman; *Hon. Secretaries*, Messrs. W. Stanning and R. F. Jones; *Committee*, Messrs. Newton, Robson, Wharton, and Richardson. A subscription-list was opened for the Belgian Doctors' and Pharmacists' Relief Fund, and has already met with an encouraging success.

**Isle of Ely.**—The annual meeting of the Isle of Ely Association of Pharmacists was held at March, Cambs, on January 13. Mr. Frank Oldham, J.P., Wisbech, was elected *President*, Mr. W. Lincoln (Ely) being re-elected *Treasurer*, and Mr. W. R. Girling *Hon. Secretary*.

**London (N.).**—The first meeting of the new year of the North London Pharmacists' Association was held on January 7 at St. Padarn's, Holloway, Mr. J. Hearle in the chair. In spite of unfavourable weather, there was a fairly large attendance to discuss the new Tariff, the contracts, pricing prescriptions, and trade difficulties occasioned by the new B.P. The Secretary (Mr. H. Skinner) gave a report of the doings of the London and Middlesex Pharmacists' Associations, and arising out of the report there was a discussion on the "Rep. mist." question. Messrs. Coates, Williams, Felton, Brunwell, and Swanstone raised points, and the circular issued by Middlesex, in which it is stated "that no rep. mist. would be paid for," was heartily endorsed. The Panel and Pharmaceutical Committees having agreed on this point, the Insurance Committee has taken definite action. Messrs. McRostie and Bradbury brought out other points, which caused Mr. Wolff to explain how the abolition had been ultimately brought about. Several members expressed themselves in favour of the London Insurance Committee doing likewise, and a resolution was carried to the effect that the Pharmaceutical Committee for London should press for a ruling on the same



lines, not even the copying-in of "Rep. mist." being allowed. Mr. Tocher told the meeting that the London Insurance Committee was that afternoon discussing the question. The new method of sending in prescriptions was next discussed, the principle applying to both London and Middlesex, Messrs. Hewitt, Daniel, Sandberg, and others pointing out minor difficulties of localised formulæ, but these were admitted to be quite as inadmissible as "Rep. mist." prescriptions. It was laid down that unless a prescription could be made up by any chemist it was *ultra vires*. In such cases there is considerable risk of no payment being made because of the difficulty of deciding if that prescription was the one intended. The President (Mr. J. Hearle) introduced, from the trade point of view, a discussion of the effect of the new British Pharmacopœia. Nearly everyone present participated in the discussion, which centred largely round what communication to send to doctors regarding the changes. It was finally decided to adopt a card small enough to go in the doctor's visiting-book. Mr. Skinner introduced the literature he had for sale, such as the *C. & D.* "Dose and Metric Card." Another point referred to was the sale of laudanum. After a long discussion, the consensus of opinion was that, for good or ill, the B.P. must be adhered to, and, in order to secure confidence in the uniformity throughout the two counties, resolutions were moved and accepted asking the County Associations to deal with the matter next time they met.

**London (W.).**—A very successful whist-drive was held on January 13 at the Restaurant Frascati, Oxford Street, London, W., in connection with the Western Pharmacists' Association. There were 150 ladies and gentlemen present, and they were received by the President (Mr. A. R. Melhuish) and Mrs. Melhuish. Play began shortly after 7.50, and during the evening there was an interval for supper on the balcony—always a feature of the Western's gatherings. The object of the whist-drive was to obtain contributions to the Belgian Doctors' and Pharmacists' Relief Fund, and as a result of a collection the sum of 22l. odd was obtained. The winners of the whist prizes were: *Ladies*—Miss E. M. Davies, Mrs. J. D. Marshall, and Mrs. Jones. *Gentlemen*—Mr. C. A. Noble, Mr. Grindley Grieve, and Mr. Beverley. The Hon. Secretaries (Messrs. A. Latreille and W. E. D. Shirliff) took an active part in the proceedings, and looked well after the comfort of the visitors.

**Manchester Optical.**—A meeting of the Manchester and North of England Optical Society was held in the Albion Hotel, Manchester, on January 6, when an address was given by Mr. Alf. Hershberg (Vice-President) on *Reflections on Salesmanship*. Mr. J. C. Kidd presided. Mr. Hershberg laid down the line of demarcation between the commercial and professional parts of the optician's business, and spoke of the essentials for good salesmanship and the methods by which the confidence of clients can be legitimately gained. After referring to the necessity of the orderly arrangement of the testing-room, he dealt with the question of handling tactfully a discriminating public, and criticised some of the methods of effecting sales. He insisted on the desirability of æsthetic fitting, giving good value in every case. A vote of thanks was accorded to the lecturer.

**Sheffield.**—A meeting of the Sheffield Pharmaceutical and Chemical Society was held at the Literary and Philosophical Society's rooms on January 13. Mr. J. Gilbert Jackson presided. Mr. C. Falconer, of the Jessop Hospital, was elected a member. It was decided to make a grant of 5l. 5s. to the Benevolent Fund and 5l. 5s. to the Belgian Doctors' and Pharmacists' Refugee Fund. The President also asked for private subscriptions for the latter fund. The Chairman asked the members who are dispensing for the dependants of soldiers and sailors to stamp their prescriptions before sending them to London for pricing, as some have had to be returned as the senders could not be identified. Mr. Thompson then delivered a lecture on *Colour and Colour Perception*, which was a good résumé of what is known on this difficult subject. Unfortunately, the lantern-slides were delayed, and the members were deprived of that part of the demonstration. The lecturer, however, succeeded in interesting the audience, and was accorded a hearty vote of thanks on the motion of the President, supported by Messrs. J. T. Appleton and Simonds.

It was a famous Frenchman who gave a preliminary lift to our own military *cuisine* in the Crimean campaign. The celebrated chef, Alexis Soyer, went to Scutari in 1855, just sixty years ago, and wrote the "Culinary Campaign." He refused to accept anything but the military rations to work upon. He soon revolutionised the whole system.—*The Lancet*.

## Pharmacy Act, 1868.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following lists of persons, who were granted Minor certificates at the recent examinations held in London and Edinburgh:

### LONDON.

Aldrich, G. S. D., Cambridge.  
 Birch, S. W., Norwich.  
 Brelsford, F., Leicester.  
 Brooks, L. C., Lytham.  
 Burgess, J. H. E., Newport, I.W.  
 Burton, A., Manchester.  
 Byrd, C. B., New Brighton.  
 Cattell, H. W., Stourport.  
 Charlesworth, A., Sandbach.  
 Charlesworth, R., Newcastle, Staffs.  
 Cheater, G. W., Shaftesbury.  
 Clarke, H. R., Chepstow.  
 Clayton, J., Farington.  
 Cockbain, B., Keswick.  
 Davies, E. S., Pontyates.  
 Davies, R. M., Exmouth.  
 Deacon, J. A., Snaresstone.  
 Duffield, A., Norwich.  
 Edwards, J. H., Bryn.  
 Elliott, H., Trowbridge.  
 Fairhead, C., Peldon.  
 Farrell, F. C., Derby.  
 Forbes, J., Dufftown.  
 Gardner, W. R., Clacton-on-Sea.  
 Gaultier, C. P., Blackpool.  
 Goodfellow, F. E., Harrow.  
 Goodwin, J. S., Cheadle.  
 Greaves, W. A., Darwen.  
 Green, R. C., Clapham.  
 Green, W. P., Manchester.  
 Greenwood, R. H., Halifax.  
 Griffin, P. D., Newbury.  
 Griffiths, G. I., Bangor.  
 Haigh, T., Kirkburton.  
 Hall, P. H., Clapham.  
 Haslam, T., Blackburn.  
 Highfield, F. C., Oakham.  
 Hinehelfe, J., Northwood.  
 Holmes, N. W., Dewsbury.  
 Hurlstone, H. A., Derby.  
 Jackson, F. A., Leighton Buzzard.  
 Jackson, W. A., St. Helens.  
 Jelfs, C. J. C., Bromsgrove.  
 Johnson, T., Newport, Mon.  
 Jones, A. E., Brixton.

### EDINBURGH.

Carrie, J., Arbroath.  
 Colbert, O., Leeds.  
 Cumming, J., Tomintoul.  
 Davis, R. E., Burnopfield.  
 Daykin, T., Chesterfield.  
 Dick, J., Glasgow.  
 Gray, F. B., Lesmahagow.  
 Guthrie, W. S., Inverary.  
 Haxton, C. S., Dundee.  
 Henderson, J., Cowdenbeath.  
 Hoppenstein, M., Glasgow.  
 Hughan, J. A., Gatehouse.  
 Innes, J., Lerwick.  
 Johnson, C. A., Hetton-le-Hole.  
 Joteham, F., Wotton-under-Edge.  
 Kirk, E. S., Nottingham.  
 Laneley, Gladys, Malpas.  
 Lawton, J., Withington.  
 Lea, E. L., Cheadle Hulme.  
 Martin, W. J., Plymouth.  
 Matthews, R. G., Stoke Gabriel.  
 Merrick, L. W., Wigston Magna.  
 Nicholson, W. R. I., London.  
 Niman, H., Leeds.  
 Officer, H. S., Edgeley.  
 Parker, R., Atherton.  
 Parkes, E. W., Newport, Mon.  
 Parsons, C. R., Derby.  
 Partridge, R. A., Swindon.  
 Pearce, R. H., Bury.  
 Pembleton, A. P., Nuneaton.  
 Perrins, G., Farnworth.  
 Phillips, D. C., Norwich.  
 Price, A. R., Bedford.  
 Priestley, G. H., Lincoln.  
 Pumphrey, O., Stamford Hill.  
 Ramsden, R. R., Penmaenmawr.  
 Rimmington, G. H., Leicester.  
 Robinson, H., Barnsley.  
 Sharples, W., New Mills.  
 Sim, C. F. C., Worcester.  
 Smith, B., Oldbury.  
 Snell, R. C., Ipswich.  
 Spencer, S. E., Highbury.  
 Stapley, H. F., Southampton.  
 Thomas, J. M., St. David's.  
 Vickers, H. W., Eckington.  
 Ward, C. M., Leicester.  
 Wells, W. H., Ventnor.  
 Whitehurst, W. H., Rugeley.  
 Williams, G. C., Llantwit Major.  
 Williams, T., Pontyates.

*The Chemists' and Druggists' Year-book and Directory for Scotland.* 8½x5½. Pp. 352. 2s. (Munro & Co., Royal Exchange Square, Glasgow.) [This is the fourth year the "Year-book for Scotland" has been published, and the editor, Mr. J. P. Gilmour, chemist and druggist, Glasgow, reports that the venture has made progress each year. This issue begins with a review of the year, which is followed by a digest of the laws applicable to the drug-business (through Scottish spectacles), *Archæologia Pharmaceutica* (referring to Hill's "Herbal" and Blancard's "Physical Dictionary"), obituary for 1914, biographies of several well-known men in pharmacy, a directory of chemists in Scotland, etc



## The Aspirin Trade-mark.

At the Patent Office, London, on January 14, the Comptroller heard evidence from the Bayer Co., Ltd., in regard to the trade-mark "Aspirin," No. 322,523. Mr. Colefax, K.C., who appeared for the company, said that in consequence of a letter which Mr. Keene had sent to the Board of Trade the Comptroller had been requested to hear what the Bayer Co., Ltd., had to urge for the retention on the Trade-mark Register of the trade-mark 322,523, having regard to the fact that the Board of Trade has decided to avoid trade-mark 221,673. Mr. Colefax said the question was as to how far the facts are in possession of the Board of Trade. He thought there was some misconception as to the amount of acetyl-salicylic acid sold under the brand-name of Aspirin. It is a mere fraction. A declaration, which he proposed to put in, by Mr. Alexander, managing director of the Bayer Co., Ltd., placed the amount sold as aspirin at not more than a fortieth of the acetyl-salicylic acid sold in this country. The product is sold under its chemical name by such people as Zimmermann & Co., Burroughs Wellcome & Co., The British Drug Houses, Ltd., Burgoyne, Burbidges & Co., Baiss Bros. & Stevenson, Ltd., and Evans Sons Lescher & Webb, Ltd. There is not a wholesale house in England that does not sell it under that name. Others sell under various brand-names, such as Naxa, Coxpyrin, Helicon, Atonin, Acetosal, Regepyrin, etc. Counsel contended that aspirin is not the only practical name for the article as required by the Rules. The new British Pharmacopœia and the "British Pharmaceutical Codex" were put in to show that there are other names in common use than aspirin. Copies of the "Yorkshire Post," "Manchester Guardian," "Glasgow Herald," and "Times" were put in, dated April 1914, which contained a notice regarding aspirin as a brand-name for the acetic ether of salicylic acid.

The Comptroller: These advertisements may have been inserted because of some attack at the time.

Mr. Colefax: I have no knowledge of that. Continuing, counsel produced advertisements from "The Lancet" and literature issued by the Bayer Co., Ltd., and proceeded to contend that it would not be to the public advantage to avoid the mark 322,523. It would deceive the medical profession, who have understood aspirin to mean a brand which has acquired a reputation for purity and reliability. The company has begun to make aspirin in this country, and can meet all demands. A large sum has been spent in laying down plant and in the purchase of bottles and cartons of British manufacture.

The Comptroller: Up to the war aspirin was made in Germany, and it was upon that product that the public relied.

Mr. Colefax answered this by stating that it was the Bayer Co., Ltd., who selected the goods upon which the reputation rested, and the name aspirin marked the selection. There is knowledge in the Bayer Co., Ltd.'s possession which, he suggested, enables them to make aspirin of the same quality as that supplied hitherto. Mr. Colefax then went over the history of the two marks (221,673 and 322,523), and said that in 1910 the agreement under which the second mark was placed on the Register was approved by the Comptroller.

The Comptroller: Under what power was it registered? It seems quite improper to register a mark that is already on the Register. If there was any transfer or licence, it should have been recorded.

Mr. Colefax explained that registration was effected under Section 23, which gives power to divide a mark among several people when a business is dissolved.

The Comptroller: That could very well be so far as an English mark is concerned, but it does not seem to give power to establish a German mark and an English mark.

Mr. Colefax said the Bayer Co., Ltd., had been jointly interested with the German company in the supply of this article, and in 1910 the two users agreed to reduce the rights into an agreement. This agreement counsel produced.

The Comptroller: The German company exclude themselves from using the mark in this country, but appear to have supplied goods to your client. The German company have no rights at all to the mark here.

Mr. Colefax said the German company do an export trade from this country, which assumes importance in cases of Colonial preference.

The Comptroller: A simple assignment would have been sufficient in that case.

Mr. Colefax: We should have had no right to export.

The Comptroller remarked that the German company

seemed to want to make the best of both worlds. The Bayer Co., Ltd., were the selling-agents for the German company, and the latter could have assigned the mark to the British company.

Mr. Colefax said his clients did not touch the export trade, and only required the mark for the sale and use here.

The Comptroller said, so far as he could see, the deed was an out-and-out assignment of the mark, with the exception of certain assumptions.

Mr. Colefax said a supplementary agreement was made which set at rest doubts that had arisen regarding the rights of the German company to sell aspirin to merchants and brokers in this country for export.

The Comptroller: The agreement merely allows them to sell goods to places outside the United Kingdom; the goods do not come here.

Mr. Colefax said the German company have trading rights in this country, which were parted with in 1910, the sale for export being retained. There may be other reasons, probably, why the German mark was kept alive.

The Comptroller said a short clause would have prevented misuse of the mark. The Office ought to have said that this was an out-and-out agreement.

Mr. McKenna (solicitor instructing counsel) interposed that counsel's opinion was taken in 1910, and submitted to the Office.

The Comptroller said that would be a little more justification for the Office. The grave disadvantages of double registration now appear. There is no indication of this agreement on the Register.

Mr. Colefax, continuing, put in more advertising matter, and said it was important to consider also the position of trade-papers, such as the "British Medical Journal." He proceeded to quote from articles in the last-named journal, which advised that when doctors wanted a brand they should ask for it. In reply to a question of the Comptroller as to how far aspirin had become the best-known name for acetyl-salicylic acid, Mr. Colefax said that doctors ordered it under that name.

The Comptroller: I may say that I have purchased aspirin for years from that excellent firm Burroughs Wellcome & Co., and I have never seen any indication that it was made by Bayer.

Mr. McKenna said that the inverted commas used for aspirin showed that it was someone's property. That is the usual manner of indicating the fact in the chemical-trade.

The Comptroller said that the people who made the application for avoiding mark 221,673 may have had no idea of the limitations.

Mr. Colefax said attention was called in September to the fact that there were two marks. He produced the advertisements of the Keene Laboratory in THE CHEMIST AND DRUGGIST and the "British Medical Journal," and objected to the statement that aspirin would in future bear the name of the Keene Laboratory. The Bayer Co., Ltd., had since September incurred expense in erecting plant, because they felt that Keene was not applying for the use of the real mark. He added that there is no evidence that aspirin is the name of a patented article, and that the registration of the mark 322,523 was made in 1910 after the patent had been declared invalid.

The Comptroller: Suppose that the Board of Trade have decided that aspirin is the name of a well-known article, and that it ought to go? As they cannot go back on that, it is for you to show why your mark should not go.

Mr. Colefax contended that the Board of Trade had acted under a misapprehension, and that the evidence he had put in should remove that.

The Comptroller: One name often stands out prominently.

Mr. Colefax contended that the chemical name was more used for acetyl-salicylic acid, and he put in a copy of Zimmermann's price-list, where it is so quoted.

The Comptroller: Who buys these huge parcels of the drug?

Mr. Colefax: Wholesalers, who sell it to the pharmaceutical chemists. Continuing, counsel reiterated the grounds why the mark 322,523 should be retained on the Register, and then stated that he could not see, under the Rules, that the Comptroller had any power to conduct the present proceedings, or at least report to the Board of Trade.

In reply to the Comptroller, Mr. Alexander was put in the witness-chair to state how it is that Burroughs Wellcome & Co. are able to use the word aspirin without indicating the maker. Witness explained that it was because the word "tabloid," being a registered mark, protected the rights in the word "aspirin." That firm is the only one permitted to use the word in that way.

This ended the proceedings.

## Trade-Marks.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," December 30, 1914.)

"RA-BA-SA, RADIUM BATH-SALT," on device of girl in bath ("Radium" disclaimed); for medicated salts (3) and for toilet-salts (48). By Radium Salt Co., Ltd., 21 Farringdon Avenue, E.C. 363,814/5. (Associated.)

"ANKHOGEN"; for medicine (3). By the Standard Tablet and Pill Co., Ltd., Hove. 364,206. (Associated.)

"GLOSSETTES"; for medicinal chemicals (3). By E. Jackson & Co., Crediton, Devon. 364,433.

"DIGLAN"; for all goods (3 and 39). By T. Quinlan and S. Diggle, 84 Angell Road, Brixton, S.W. 364,556/7.

"GNIDROC"; for all goods (11) and for indiarubber and guttapercha goods (40). By G. Cording, Ltd., 125 Regent Street, W. 363,591/597.

"RELLUM"; for a carrier for surgical instruments, etc., in antiseptics (11). By A. M. Edelstein, 53-55 Old Street, E.C. 364,572.

Device "S., LTD."; for disinfecting-vessels, etc. (13). By Summerscales, Ltd., Keighley. 364,795.

"ALKSAL"; for aerated waters (44). By J. Bingley, 18 Langham Place, Northampton. 363,874.

"BRICO"; for goods (47). By H. Prichard & Co., Ltd., 7-9 Redcliff Street, Bristol. 363,915.

"HYDROPHOR"; for brushes (50). By J. C. Hart, Finsbury Court, E.C. 364,426.

"WHITE HEATHER" and "ROSE"; for rag-pulp for filtering-purposes (50). By Arnold & Foster, Ltd., Eynsford, Kent. 364,593/595.

(From the "Trade-marks Journal," January 6, 1915.)

Oval device with white shield bearing letter "B" ("B" disclaimed); for chemicals (1, 2, and 3), for goods (11, 16, 35, 39, 40, and 42), for mineral and aerated waters (44), goods (47), and for perfumery, etc. (48). By Boot's Pure Drug Co., Ltd., Nottingham. 363,400/411. (Associated.)

"ZEPPELITE"; for chemicals (1). By J. A. Jobling, 72 Grey Street, Newcastle-upon-Tyne. 364,468.

Label device of goods-train and boards bearing words "BULL'S FOOD FOR PLANTS. SOLD EVERYWHERE," and "BULL'S FUMIGATING COMPOUND"; for a fertiliser and for a fumigator (2). By W. Bull & Sons and Bull's Plant Food Co., 536 King's Road, Chelsea, S.W. 363,947/8. (Associated.)

"FERTISER"; for chemicals (2). By Sangers, 258 Euston Road, N.W. 364,465.

"SANOS"; for chilblain and corn cures (3). By G. Bowerman, Lambert House, Ludgate Hill, E.C. 362,750.

"ANKOGEN" and "ANKHYRIN"; for medicines (3). By the Standard Tablet and Pill Co., Ltd., Hove. 363,943/364,321. (Associated.)

"NUPIRIN"; for medicinal chemicals (3). By W. B. Cartwright, Ltd., Mount Vernon Road, Rawdon, near Leeds. 364,314.

"MARCOL"; for a pharmaceutical preparation (3). By Schacht, Warner & Co. and Frizell & Co., 55 Fore Street, E.C. 364,328.

Label device of medals, with signature "W. J. BUSH & Co."; for goods (4). By W. J. Bush & Co., Ltd., 28 Ash Grove, Hackney, N.E. 364,022. (Associated.)

"CORONET BRAND," with picture of same; for oils (4). By S. Earle & Co., Ltd., Kirkby Street, Hull. 363,892.

"SANAGEN"; for food (42). By the British Products Association, 51 Milton Street, E.C. 364,196.

## Trade-marks of Alien Enemies.

The applications to avoid or suspend the Sanatogen trade-marks (246,802 and 257,583) which were made by Mr. J. E. Griffiths and Callard, Stewart & Watt, Ltd., have been refused. The hearing of the cases was reported in the *C. & D.*, September 26, 1914, p. 68.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., January 14, 6.30 p.m.

BUSINESS is quiet on the whole this week, but there is a good demand for certain articles, especially cream of tartar, which is in short supply and firmer. A drug-sale was held to-day, and is fully reported. The more notable movements of drug staples are in benzoïn, ipecacuanha (of which 20,000*l.* worth has changed hands since the war commenced), rhubarb, and quinine. The principal changes of the week are as undernoted:

Higher	Firmer	Easier	Lower
Acetanilide	Camphor oil	Benzoïn	Apiol
Antimony	Canary-seed	Cardamoms	(Jamaica)
(erude)	Cocaine		Bees-wax
Atropine	Cream of		Cocoon oil
Belladonna-	tartar		
root	Gambier		
Cottonseed oil	Lemon oil		
Diethylbar-	Petroleum		
bituric acid	Quinine		
Linseed oil			
Menthol			
Peppers			
Rosin			
Salicylic acid			
and salicylates			
Senna			
Turpentine			
Vanillin			

## Cablegram.

NEW YORK, January 9.—Business in this market is fairly good. Opium, oil of peppermint, and menthol are unchanged. Hydrastis is selling at \$4.25, and is steady. Senega is lower at 35c., and copaiba easier at the same figure. Canada balsam is also lower at \$6.90. Balsam of tolu has declined to 42½c. per lb.

## London Markets.

ACETANILIDE.—A stiff market at the higher quotation of 2s. 3*d.* per lb.

ANISEED OIL.—Sales of 50 cases "Red Ship" brand Chinese at 3s. 4*d.* to 3s. 5*d.* c.i.f. January-February shipment are reported. The spot price is 4s. 6*d.*

APIOL.—Raw material being more plentiful, prices have been reduced by about 5s. per lb. to 35s.

ATROPINE SULPHATE.—For this 65s. to 70s. per oz. is now quoted.

BELLADONNA-ROOT.—For spot goods 245s. per cwt. is wanted.

BERGAMOT OIL of new crop is quoted at 11s. per lb. c.i.f. A Sicilian advice, dated January 2, states that the few requirements for December delivery, which brought a little more life into the market, again roused the hopes of the growers, and especially of the speculators, for Government intervention, which might help them to raise prices.

CAMPHOR OIL.—White essential is very scarce at 100s.

CANARY-SEED is firmer, with a good business doing at 89s. to 90s. per quarter for ordinary quality, but for the finer grades there is little demand.

CHAMOMILE-FLOWERS.—Old brown can be had at 125s. per cwt., and fair white of new crop at 145s.

CHAULMOOGRA OIL is quoted 2s. 4*d.* per lb. net.

CINCHONA.—Little was sold in auction, the unit being 14*d.* E.I. Crown bark-shavings sold at 4*d.*, and root-bark the same—together 45 bales. Of African red quill, 61 bales sold at 5½*d.* to 5¾*d.* per lb.

COCAINE HYDROCHLORIDE.—From 7s. 6*d.* to 8s. per oz. is now wanted



**CODEINE.**—In good demand, at 22s. 6d. per oz. for contract quantities from the makers.

**COD-LIVER OIL.**—Our Bergen correspondent writes on January 4 that no business is reported, the nominal quotation for finest non-congealing oil being 94s. 6d. c.i.f. terms. Another Bergen house offers at from 88s. to 91s. per barrel f.o.b. Hull, plus war insurance. The London market is firmer, 97s. per barrel f.o.b. Hull being asked.

**COTTONSEED OIL.**—The price here for Egyptian spot is 67. 17s. 6d., which is higher.

**CREAM OF TARTAR.**—There has been a large and urgent demand this week, and business has been done in 98-per-cent. at 145s. to 147s. 6d. per cwt. for immediate delivery. In view of the limited supplies and the increased demand, prices are likely to go higher.

**CUMIN-SEED.**—Malta has been sold on the spot at 50s. per cwt., and for Morocco that price is also required for good quality.

**DIETHYLBARBITURIC ACID.**—Higher, 35s. per lb. being to-day's quotation.

**GAMBIER** is in good demand, and business has been done in dark cubes at 37s. per cwt. The article is much in demand for dyeing khaki cloth, and the c.i.f. price for No. 2 is 27s.

**GENTIAN-ROOT.**—Whole is 30s. per cwt. and cut 37s. 6d.

**LEMON-JUICE.**—For new-pressed English 1s. 9d. per gal. is wanted.

**LEMON OIL.**—A Sicilian advice, dated January 2, states that the demand has been quite active since the last report, especially by local buyers. The London market is better, 4s. 9d. per lb. being paid for spot and 4s. to 4s. 3d. for new crop to arrive.

**LINSEED** is dearer, at 50s. to 57s. 6d. per quarter for fair to fine quality.

**MANNA.**—Large flake is quoted 2s. 2d. per lb. f.o.b. Palermo.

**MENTHOL** is higher—viz., 11s. 3d. per lb. being wanted, compared with 10s. 7½d. paid for Kobayashi at the end of last week. Business has been done to arrive, in combination with oil, in Kobayashi for January-March shipment at 11s. and Suzuki at 10s. 9d. c.i.f. For spot oil 3s. 6d. has been paid.

**MORPHINE HYDROCHLORIDE** is selling on the basis of 13s. 6d. per oz.

**OPIMUM.**—For 11-per-cent. Turkey 27s. 6d. per lb. is wanted.

**ORANGE OIL.**—Sicilian of new crop is quoted 6s. 3d. per lb. c.i.f. A Sicilian advice, dated January 2, states that the market has been stronger, buyers being more numerous and requirements to cover December engagements urgent. Slight improvements in price were occasionally paid, which, however, did not alter the general position, which continues neglected by foreign consumers.

**ORANGE-PEEL.**—Maltese machine-cut new crop now landing is quoted 1s. 9d. per lb.

**PARAFORMALDEHYDE** can be got at 3s. per lb. in 100-lb. cases.

**PEPPERMINT OIL.**—Wayne County is 6s. 6d. per lb. and H.G.H. 11s. 9d.

**POTASSIUM BROMIDE** is 3s. 3d. per lb.

**POTASSIUM CHLORATE.**—Ordinary powder cannot be got at less than 1s. per lb., and 1s. 2d. to 1s. 3d. is wanted.

**QUININE.**—A steady market at last week's quotations, with a stronger feeling, as the movement in the alkaloid is good.

In their report for 1914, Widenmann, Broicher & Co., Ltd., state that London stocks were reduced by 750,000 oz. during the year. They give a full account of the bark movements, but space prevents us dealing fully with the report on this occasion.

**SALICYLIC ACID AND SALICYLATES** are higher, 5s. to 5s. 3d. per lb. being wanted for the acid, and 6s. to 6s. 6d. for the sodium salt.

**SEER OF MILK.**—The price now wanted is 75s. to 77s. 6d. per cwt.

**TARAXACUM-ROOT.**—English is selling at 80s. per cwt.

**TARTARIC ACID.**—Foreign crystal is still obtainable at 1s. 6d. per lb., and English at 1s. 7d.

**TURPENTINE.**—Dearer, at 37s. 6d. for spot American.

**VANILLIN** is dearer at 22s. 6d.

### London Drug-auctions.

This year's first sale of drugs as imported took place to-day, and was chiefly notable for the amount of Tinnevely senna offered and sold. The supplies were good

considering the conditions upon which stocks are held in India and the export restrictions. The demand was good, and the drug sold at from 1d. to 2d. per lb. dearer. There being no demand for ipecacuanha, most of it was withdrawn, and the same remark applies to benzoin. Socotrine and Zanzibar aloes were offered, but there were no buyers; Cape sold well, however. Buchu was neglected; so were cardamoms, of which there were large offers; only a few parcels and seeds sold. Honey and beeswax were in good supply. Jamaica honey sold well, but the wax was not wanted.

		Offered		Sold				Offered		Sold	
Aconite root (Jap.)		10	...	5		Ipecacuanha—					
Aloes—						Cartagena.....		15	...	0	
Cape .....		33	...	25		Matto Grosso ...		8	...	1	
Socotrine (kegs) ..		20	...	0		Jambul-seed.....		5	...	0	
Zanzibar ... (es.)		29	...	0		Kamala .....		5	...	0	
Aulseed (Spanish) ..		10	...	0		Kino .....		25	...	0	
Annatto-seed .....		44	...	0		Kola nuts .....		172	...	11	
Balsam tolu .....		10	...	10		Lemongrass cil ...		1	...	0	
Belladonna-leaves. 32		...	...	*11		Lime oil (W.I.) ...		3	...	0	
Benzoin—						Liquorice-root....		75	...	0	
Palembang .....		33	...	0		Mint oil (Jap.)....		3	...	0	
Siam .....		13	...	0		Musk-seed.....		1	...	1	
Sumatra .....		31	...	16		Myrrh .....		40	...	5	
Buchu .....		18	...	0		Olibanum .....		17	...	0	
Calumba .....		125	...	0		Orange-peel .....		52	...	0	
Camphor (ref.).....		75	...	20		Oris root (Mog.)...		18	...	0	
Cannabis indica ...		16	...	0		Papain .....		15	...	0	
Cardamoms and						Pareira brava .....		18	...	0	
seed .....		445	...	7		Pea nuts (Chinese)		45	...	*45	
Cascara sagrada ...		564	...	5		Quince-seed .....		9	...	6	
Cascarilla .....		9	...	0		Rhubarb—					
Cassia fistula .....		10	...	0		Chinese .....		72	...	6	
Chiretta .....		2	...	0		Sandarac .....		15	...	0	
Coca-leaves .....		53	...	0		Sarsaparilla—					
Cochineal .....		13	...	0		Grey Jam .....		38	...	4	
Croton-seed .....		45	...	0		Lima Jam .....		16	...	0	
Cubebs .....		20	...	0		Mexican .....		19	...	0	
Cuttlefish-bone .....		24	...	10		Native Jam .....		16	...	4	
Dragon's-blood .....		30	...	3		Senega-root .....		7	...	0	
Elemi .....		44	...	5		Senna and pods—					
Ergot .....		39	...	0		Alex .....		27	...	0	
Eucalyptus oil .....		31	...	0		Tinnevely .....		305	...	305	
Euphorbia pil. ....		5	...	0		Tonka beans .....		13	...	0	
Gamboge .....		17	...	0		Tragacanth .....		21	...	1	
Guaicum .....		9	...	0		Turmeric .....		508	...	8	
Gum acacia .....		314	...	0		Wax (bees')—					
Gum, Amrad .....		52	...	0		Abyssinian .....		119	...	0	
Gum euphorbium.. 3		...	...	*3		Benguela .....		27	...	0	
Honey—						Cubau .....		27	...	0	
Australian.....		4	...	0		East African .....		38	...	0	
Cibilian .....		28	...	0		East Indian .....		103	...	0	
Jamaica .....		21	...	192		Jamaica .....		41	...	8	
Nassau .....		8	...	0		Morocco .....		276	...	0	
New Zealand (es.) 263		...	...	10		Nondescript .....		34	...	0	
St. Lucia .....		59	...	5		West Indian .....		16	...	2	
West Indian.....		4	...	0		Wax (Caruaba) ...		20	...	*10	

\* Sold privately.

**ACONITE-ROOT.**—Five bags of good Japanese root sold at 32s. 6d. per cwt.

**ALOES.**—The Socotrine and Zanzibar offered were in the main of good quality; the former was limited at 50s., and the best of the latter at 50s. to 55s. per cwt. Good bright glassy Cape sold at 33s., part frothy surface 31s. 6d., and dull at 30s.

**BALSAM OF TOLU.**—One broker's offer of five cases was sold before the auction; the rest sold at 1s. 4d. to 1s. 5d. per lb. for fair glassy, and a pale opaque lot at 1s. 3d.

**BELLADONNA-LEAVES.**—The price at which a bale of 0.32-per-cent. leaves was sold privately was not stated, but 250s. per cwt. was mentioned as the limit for 0.31 per cent. and 275s. for 0.48 per cent., 10 bales of which had been sold privately.

**BENZON.**—Most of the offers were of old import. Palembang was not wanted, even at the limits of 57s. 6d. to 70s. for thirds; nor was Siam, of which some pea to bean tears, part blocky, was shown; 11½ was the limit for some inferior, and 23½ for the best, which was of fine aroma. Fair to good seconds Sumatra, with dark fracture and almond-sprinkled, sold at 7½ to 8½, and fair seconds of old fracture at 6½ to 6½ 17s. 6d.

**BUCHU.**—A fair selection of rounds and longs was on show, but not in demand. For good green rounds 5s. 3d. to 5s. 8d. was wanted, dull, ditto, 4s. 3d. to 4s. 8d., and small mixed stalky of doubtful quality was priced at 2s. 4d. to 2s. 6d.

**CAMPHOR.**—Twenty cases of refined Japanese in 1-oz. tablets, and offered without reserve, sold at 1s. 6d. to 1s. 6½d. per lb.

**CARDAMOMS.**—For bold pale Ceylon Mysore 5s. 9d. per lb. was wanted, and some sold at 5s.; 4s. 6d. was asked for darker split pods of like size, and the same for fair seconds, down to 2s. 3d. for spotty. Bright pale longs fetched 3s. 3d., and good grey seeds at 3s. 6d. The London stock on December 31 was 1,584 packages, against 580 packages; and the deliveries for the year 1914 3,320 packages, against 2,201.

**CASCARA SAGRADA.**—London stock December 31, 1914, 140 tons, against 234; landings during 1914 52 tons, and deliveries 129 tons.

**COCHINEAL.**—Dark, part silvery, was bought in at 2s. and 2s. 3d. per lb.

**DRAGON'S BLOOD.**—Bag-shaped lump of fair colour sold at 7l. per cwt., and lump, ditto, at 6l. 10s.

**ELEMI.**—For fair gum 42s. 6d. per cwt. was paid.

**GAMBOGE.**—The price asked for fair to medium pipe was 13l.

**GUM EUPHORBIIUM.**—The three bags sold privately was dull barked drug; no price was mentioned.

**HONEY.**—There was a good show of all kinds; for good white set, slightly tinted, Jamaica 40s. per cwt. was paid, and the rest of the sales of this kind were made privately, except 71 packages seconds, part ullaged, for which 20s. to 25s. was paid; 20s. was also paid for St. Lucia, and 37s. 6d. for New Zealand, but 42s. 6d. was placed on a better quality.

**IPECACUANHA.**—The price paid for a bale of fair plump Matto Grosso was 15s. per lb., and up to 17s. was wanted for bolder undamaged root. For fair, rather grey, Cartagena 9s. 6d. is the price. London stock on December 31, 1914, was 50 Matto Grosso, 114 Cartagena, and 15 East Indian. Deliveries in December were 59 Matto Grosso, 23 Cartagena, and 31 East Indian; and for the year 1914 they were 432 Matto Grosso, 57 Minas, 99 Cartagena, and 148 East Indian.

**KOLA-NUTS.**—For medium Jamaica 2½d. per lb. was wanted.

**LEMONGRASS OIL.**—The limit placed on a parcel from Bombay was 2½d. per oz.

**LIME OIL.**—For good bright hand-pressed Dominica 8s. 6d. per lb. was asked.

**MUSK-SEED.**—A barrel of these from St. Lucia sold at 1s. 9d. per lb.

**MYRRH.**—It was small, dull, dusty sorts that sold, 50s. per cwt. being paid and wanted for the rest.

**ORANGE-PEEL.**—For English cut strips, good and bright, 3s. 6d. per lb. was wanted.

**PAPAIN.**—The price wanted for five cases from New York, containing about 230 lb., was 9s. per lb.

**QUINCE-SEED.**—Nice bright seed sold at 1s. 7d. to 1s. 9d. per lb.

**RHUBARB.**—In fair show, but no sales. The following limits may be mentioned: *Canton*, medium round, three parts good fracture, 3s. 9d. per lb.; medium to bold flat, ditto, 3s. 6d.; medium to bold flat High-dried, 1s. 6d.; medium round, ditto, 10d. *Shensi*, medium round, three-quarters pale pinky fracture, 5s. London stock on December 31 was 516 cases, against 720 cases; and the Chinese rhapsontica stock was 2,492 cases, against 2,457 cases.

**SARSAPARILLA.**—For pale native Jamaica of fair quality 10d. per lb. was paid, and 7d. for low-quality damaged. For good grey Jamaica 1s. 10d. and 1s. 11d. were paid, and 1s. 8d. and 1s. 9d. for shiny and dark root; for red 9d. to 1s. 2d. was wanted, for Lima 1s. 8d. to 1s. 9d., and for chunky Mexican 11d.

**SENNA.**—Alexandrian was not wanted, but the bidding for Tinnevel was brisk from the beginning, and, as already noted, sold higher than at the last auctions. The prices paid were as follows: Large bold green, 5½d. to 6½d. per lb.; medium, ditto, 4½d. to 5d.; medium old green, 4½d. and 5d. (the lower price being for sea-damaged); fair green spotty and slightly stalky, 4½d. Pods sold at 2½d.

**TRAGACANTH.**—A single bag of E.L., water-damaged and blocky (unsuitable for medicinal purposes), sold at 16s. per cwt., without reserve.

**TURNERIC.**—Only sea-damaged Bombay sold at 5s. and 10s. 6d. per cwt., subject, 15s. being the price placed on dull cut tuber.

**WAX (BEES').**—Jamaica, part sold at 8l. 10s. per cwt., but little interest was shown in this or any of the other kinds offered.

## Arrivals of Chemicals and Drugs.

During the period January 7 to 12 inclusive the following chemicals, drugs, and allied produce have arrived at the principal English ports. Goods *in tr.* are not included. Where not stated, the figures denote packages:

Acetic acid (Amsterdam) cks.	Formic acid (Rotterdam) blns.
38, (New York) 54	36, car. 96
Acetone (Philadelphia) dms	Glycerin (Marseilles) dms. 808,
467	(Rotterdam) dms. 31
Almonds (Las Palmas) bgs.	Glucose (New York) 16
146, (Mogador) bgs. 558,	Glue (Paris) 308, (Marseilles)
(Saffi) bgs. 193, (Mazagan)	bls. 222, (Rotterdam) bls. 44,
bgs. 193, (Melilla) bgs. 106,	(New York) 158
(Teneriffe) bgs. 23	Ground nuts (Beira) bgs. 3,594,
Ammonia (Philadelphia) cs.	(Alexandria) bgs. 3,024
155; anhydrous (Philadelphia)	Gum arabic (Bombay) bgs. 207
cs. 5	Gum copal (Rotterdam) bgs.
Auiseed (Genoa) brl. 1	218
Albumen (Havre) cs. 80	Gums (Mogador) bgs. 241, bls.
Alcohol, wood (Philadelphia)	36, (Saffi) bgs. 66
dms. 327	Gums, unenum. (Malta) bgs. 67
Aniline dyes, colours, etc.	Gum kauri (Auckland) cs. 372
(Dieppe) cks. 242, (St.	Honey (Amsterdam) brls 80,
Nazaire) cks. 100	(San Francisco) cs. 50
Arachis oil (Rotterdam) 415	Hydrolene (Philadelphia) cs. 57
Arsenic (Rotterdam) cks. 49	Indigo (Madras) chts. 150
Baking-powder (New York),	Isiuglass (Bombay) cs. 10
crts. 20	Javel-water (Paris) cs. 70
Barium chloride (Genoa) brls.	Kurdee-seed (Bombay) bgs.
100	3,360
Cajuput oil (Rotterdam) cs.	Lanoline (Gothenburg) cks. 45
100	Lead acetate (Rotterdam) kgs.
Camwood (W.C. Africa) 931	1,000, (New York) cs. 20
Canary-seed (Holland) 50,	Lead, white (New York) cs. 12
(Saffi) bgs. 469, (Mazagan)	Lime citrate (Piræus) pkgs. 300
bgs. 279, (Larache) bgs. 1,	Linseed (R. Plate) bgs. 33,681,
1,608, (Rotterdam) bgs. 50	(Saffi) bgs. 229, (Casablanca)
Caraway-seed (Holland) 20,	bgs. 1,126, (Bombay) bgs.
bgs. 200	25,214
Cardamoms (Ceylon) 16, (Bom-	Linseed oil (Amsterdam) cks. 4
bay) cs. 5	Liquorice-juice (Italy) cs. 64
Casein (La Pallice) bgs. 115	Liquorice-root (Catania) 10,
Cashew-nuts (Bombay) cs. 100	(Malaga) 30, (Marseilles) bls.
Cassia (Alexandria) cs. 100	15
Castor-oil seeds (Delagosa Bay)	Lithopone (Rotterdam) cks. 40
bgs. 90, (Madras) bgs. 1,391	Magnes. chlor. (Rotterdam) cks.
Chaulmoogra oil (Calcutta) 10	24
Chemical products (Dieppe)	Magnesite (Rotterdam) bgs.
cs. 14, (Bordeaux) 20, (Dun-	319, (Christiania) 204
kirk) 255, (Paris) car. 10,	Manna (Palermo) cs. 12
(Rotterdam) cks. 32	Milk-sugar (Amsterdam) cs. 50
Chillies (Sierra Leone) bgs.	Mineral waters (Marseilles)
188, (W. Africa) bgs. 80	cs. 2,136, pkgs. 77, (Genoa)
Cinnamon (Amsterdam) cs. 50,	cs. 559, (Havre) 45, (Rouen)
(Colombo) bls. 95, (Mar-	100, (Rotterdam) cs. 1,200
seilles) bgs. 300	Mineral white (Bordeaux) bgs.
Citric acid (Palermo) cks. 200	200
Cochineal (Teneriffe) bgs. 10,	Palm oil (W.C. Africa) cks. 81
(Las Palmas) bgs. 11	Paraffin-wax (New York) bgs.
Coconut oil (Bombay) pns.	1,350, brls. 449, cs. 200, pkgs.
27, (Amsterdam) cs. 152,	634
(New York) pps. 93	Paraffin-seal (New York) 2,331
Cod-liver oil (Rotterdam) cs.	Pea-nuts (Carabane) tons 400,
52, (Bergen) brls. 60,	(Rufisque) tons 1,400
(Christiania) brls. 10	Pepper (Alexandria) bgs. 1,113
Colza oil (Philadelphia) 195	Perfumery (Paris) cs. 13, (Mar-
Coriander (Mazagan) bgs. 265,	seilles) 136, (Calais) 26
(Casablanca) bgs. 261	Petrolatum (Philadelphia) 75,
Colza oil (Philadelphia) 195,	(Baltimore) 65
(New York) cs. 129	Pharmaceutical goods (Genoa)
Cotton-seed (Bombay) bgs	cs. 17
5,400, (Alexandria) tcns	Pine-leaf oil (Gothenburg) cs. 1
5,071	Poppy-seed (Bombay) bgs. 374
Cotton-seed oil (New York)	Potash carb. (Gothenburg) cks.
brls. 2,497	10, (Amsterdam) cks. 8
Cotton-seed soap (New Orleans)	Potash caustic (Christiania)
brls. 500	dms. 26, (Genoa) brls. 40
Cream of tartar (Bordeaux)	Potash chlorate (Havre) cks.
cks. 175, (Patras) brls. 2	204, (Gothenburg) brls. 200
Cumin-seed (Saffi) bgs. 282,	Potash cyanide (Rotterdam)
(Mazagan) bgs. 64	cks. 13
Curry-powder (Madras) 100	Potash metabisulphite (Rotter-
Cutch (Rangoon) bxs. 250	dam) cks. 25
Dextrin (Amsterdam) bgs. 50	Potash salts, various (Copen-
Divi-divi (Curacao) bgs. 769	hagen) cks. 104, dms. 197,
Dried roots and leaves (Mar-	(Gothenburg) brls. 21, (Christi-
seilles) 271	ania) dms. 80, cks. 20
Drugs (Calais) 5	Wax, bees' (Calcutta) bgs. 138,
Dyewood extract (Philadelphia)	(Piræus) blks. 115, (Malta)
119, (New York) 68	bgs. 22, (Beira) bgs. 109,
Edible oil (New York) 58	(Mogador) bgs. 60, (Saffi)
Essential oils (New York) cs.	bgs. 110, (Mazagan) bgs. 9,
114, (Catania) cs. 130,	(Melilla) bgs. 61, (Casa-
(Messina) cs. 105, (Palermo)	blanca) bgs. 113, (Bombay)
cs. 6	bls. 8, (Rotterdam) bls. 35,
Farina (Holland) 150, bgs. 400	(Rufisque) sks. 17, (New
Fellows' syrup (New York) cs.	York) brls. 237
92	Wax, Japanese (Philadelphia)
Fennugreek (Saffi) bgs. 250,	25
(Mazagan) bgs. 34, (Casa-	Wine-lees (Piræus) bgs. 314
blanca) bgs. 202	Zinc oxide (Rotterdam) cks. 240
Formaldehyde (New York) cs.	(New York) 600, (Paris) brls.
292	100, (Rotterdam) cks. 260



### Heavy-chemical Markets.

The market, even yet, has scarcely recovered from holiday effects. Still, so far as heavy chemicals are concerned, the outlook is good. Makers of bleaching-powder hold small stocks, although officially prices are unchanged. Caustic soda is very firm. In other sorts, such as bicarbonate and crystals, there is little change to note. Sulphate of copper continues to advance in view of the hardening position of the raw metal. The close is very firm at 24*l.* 2*s.* 6*d.* to 24*l.* 7*s.* 6*d.* prompt, and 24*l.* 7*s.* 6*d.* to 24*l.* 12*s.* 6*d.* for February-April delivery Manchester. Cream of tartar and acids show little change. Coal-tar products steady. Sulphate of ammonia higher at 12*l.* 2*s.* 6*d.* to 12*l.* 5*s.* per ton f.o.r. Manchester. Carbolic acid, 39° to 40°, 1*s.* 3*d.*, crude 60° East and West Coast, 2*s.* 11*d.* to 3*s.* ex works. Benzols 50-per-cent. 1*s.* 3*d.* naked, 90-per-cent. prompt 8½*d.* to 9*d.*

### Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of January 6.

AGAR-AGAR.—Owing to a good demand the price continues to advance, m.430 per 100 kilos, being quoted.

ALOES is becoming scarce on the Hamburg market; m.140 is asked for Cape and m.130 for Curaçao.

AMMON. CARB.—The German makers cannot keep pace with the demand, although they are working strenuously. Consumers have therefore only partly filled their requirements, as no English is available.

ANTIMONY.—The maximum price of m.60 has frequently been paid for crude.

COCAINE.—Hydrochloride is quoted at from m.200 to m.210 per kilo.

MENTHOL.—With the continued absence of any important demand, prices have an easier tendency. Cases offer at m.30 to m.33 and recrystallised m.35 per kilo.

PETROLEUM.—The following proclamation has been issued in Hamburg: "Owing to the meagre imports during the war the petroleum reserve of the German empire has considerably diminished. Wholesale firms are no longer able to meet the public demand in an adequate measure. It is therefore urgently necessary that the consumption of petroleum be limited to the absolute minimum in order to avert as far as possible a total failure of supply in certain places. Whenever possible, it is desirable in the interest of the community that methylated spirits be used in lieu of petroleum." This confirms reports already published in this journal, and the scarcity appears to be growing.

POTASH SALTS.—The occupation of Galicia by the Russians, thus bringing the Kaluze potash deposits within their control, is leading to the formation of plans for turning these deposits to account in the production of potassium chloride.

QUILLAIA is almost unobtainable in Hamburg, cut offering in a small way at m.115 per 100 kilos.

TURPENTINE.—Only substitutes are obtainable at m.95 to m.120 per 100 kilos.

WAXES.—Bees' quiet at from m.375 to m.380 per 100 kilos. for best bleached, and m.355 to m.360 for second quality. There is no demand for *Carnauba*, and *Japanese* is steady, although rather scarce.

### American Drug-market.

*New York, December 31, 1914.*

The last month of the year, and particularly the last week of the month, is usually very quiet in the drug-trade. December this year has been no exception; in fact, business was exceptionally slow. Most of the houses in the trade were preparing for or actually engaged in taking their annual inventory, and consequently reduced their purchases to a minimum. With the coming of the new year, however, important changes in prices are looked for, and also an improvement in business.

ALOES.—The prices for Curaçao remain unchanged, but the market has a firmer appearance. Previous quotations of 13c. were repeated. Aloin is stronger, and prices have been advanced 87½c. and 90c., according to quantity.

BELLADONNA-LEAVES are scarce and almost unobtainable. The small lots on spot are quoted at \$1.25.

BUCHU-LEAVES.—In limited demand. The market is steady at the prevailing prices of \$1.45 for short and \$1.30 for long.

BUCKTHORN-BARK.—Supplies on hand are more than adequate to meet current demand, and prices have declined to 18c. and 19c.

CASCARA SAGRADA remains steady at 7½c. to 8c., according to grade.

COPAIBA is moving quietly, and is still ruling at 36c. to 38c. for South American, with Para offering at 36c. to 37c.

IPECACUANHA.—Cartagena is firmer owing to a shrinkage of supplies. Dealers now demand \$1.90 to \$1.95 as to quantity. Rio is in little request and scarce. The small lots available are offered at \$2.

MENTHOL has been very quiet of late, but the market retains a steady tone. Cases are offered at \$2.50.

PEPPERMINT OIL (AMERICAN) is again weaker. Accumulation of stocks here has caused the price to decline to \$1.35 in tins.

### Java Cinchona in 1914.

In the course of 1914 the total quantity of cinchona-bark sold at the Amsterdam auctions amounted to 7,339,018 kilos. (83,553 bales and 2,486 cases), representing 417,761 kilos. of quinine sulphate. Of this quantity, 7,029,226 kilos. was bought by the quinine-factories, and contained 409,976 kilos. of quinine sulphate. The remaining 309,792 kilos. (containing 7,785 kilos. of quinine sulphate) was pharmaceutical bark. The average content of quinine sulphate in the manufacturing-bark was 6.03 per cent., the average unit during the course of the year being 6.20 cents per half-kilo. The prices asked by the Amsterdam Quinine-factory have not changed during 1914, and were fl.23 for Ed. II. and fl.21½ for Ed. IV. This factory held twelve auctions in 1914, and offered 17,010 kilos. of quinine sulphate B.P., of which only 2,126½ kilos. was sold at an average price of fl.21.42.

### "English Peppermint Oil: 'Mitcham Rect.'"

We subjoin a translation of a circular issued in December 1914 by Schimmel & Co., Leipzig:

"As the stocks of English Mitcham peppermint oil in Germany are on the wane, we have been trying to obtain for the numerous consumers of this quality a really adequate substitute; the more so as no German or Austrian manufacturer can any longer be expected to use English peppermint oil in the future. As we have already expressed the view that the price of English Mitcham peppermint oil is much above its value, it has now been incontestably proved by our own practical comparisons that by a special fractionating or purifying process of the peppermint oil which is distilled in the United States from Mitcham plants, together with the German distillate of Mitcham plants obtained in Miltitz, an oil can be obtained which can be designated as a full-value substitute for the English distillate. We are introducing this new quality under the name of 'Peppermint Rect., Miltitz, 1914,' and beg the former consumers of Mitcham oil, in view of the favourable prices (see price-list), to assure themselves by trying a sample, which we give gratis, that in the future our 'Peppermint Rect., Miltitz, 1914' can be used without scruple, instead of the English Mitcham oil. Therefore away with English Mitcham peppermint oil out of German and Austrian prescriptions."

### Ammonia Sulphate.

At the last meeting of the Brighthouse Town Council a recommendation was considered from the Gas Committee that the Corporation should subscribe to the Sulphate of Ammonia Committee for twelve months. Objection was taken to the suggestion by several members on the ground that the Sulphate Committee was a "ring" which had been formed to force up the price, and, therefore, neither as a committee nor as a corporation should they support it. On behalf of the Gas Committee it was contended that all that was being asked was that support should be given to a legitimate business organisation for the benefit of the Council. The price of sulphate of ammonia was much too low in comparison with other manures which contained nitrogenous qualities, and the Committee desired to get a price for the commodity which was commensurate with the cost of its production. Eventually the recommendation was approved.

### Java Cinchona Fire.

A serious fire broke out on the Tangkoeban Prahoe cinchona-plantations in the Preanger, Java, at the end of October, when the military were engaged in preparing the ground by burning. In spite of their efforts, the fire quickly spread to the neighbouring plantations of the Djajagiri Cinchona Co., which was in liquidation. As no work had been done on this plantation for a lengthy period, the fire rapidly spread in the dense undergrowth, and fourteen bouws were destroyed, including ten of full-grown cinchona-trees. The fire lasted several days, owing to violent winds, and when the last news left Java the fire was spreading in the direction of the Nagrek plantation. Altogether eighty-four acres of cinchona-trees were destroyed. Another fire broke out at Soekingi, where a warehouse containing cinchona was destroyed.

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## Aniline-dye Trade.

THE daily newspapers have during the past few weeks published a great deal about the proposed aniline-dye company, without adding much to what is already known. The London correspondent of "The Scotsman" states that the organisation of the company is progressing well. A correspondent of "The Times" gives some new facts. He says:

Great as the difficulties may be, there has been a tendency on the part of manufacturers to exaggerate them. It is not true that we are necessarily hopelessly dependent on Germany for our essential dyes, nor for the bases from which these dyes are made. Already there are again available British supplies of beta-naphthol, the production of which had ceased in this country. The production of beta-naphthol should never have been abandoned. Its abandonment was not a fortuitous industrial incident, but part of the deep-laid German plan for securing dominance of the chemical industry and all that that entailed. Our manufacturers allowed themselves to be bought out by the German combine. The price of British subservience was paid partly in cash and partly in an arrangement to supply from Germany at a price leaving a comfortable margin of profit. The effect of this was seen in the lamentable position on the outbreak of war. That state of things has, however, come to an end, and the bases are now available. . . . It is only a few weeks since indanthrene, a blue for which qualities were claimed superior even to natural indigo, was instanced by experts as a dye that would present the greatest difficulty to British endeavour. What has happened? A British indanthrene has already been produced. The present writer has examined a sample, dyed with the new British product, and it has been pronounced by the experts a complete success.

There appears to be no question that steady if not voluminous progress is being made to meet the existing difficulty in a thorough manner, although efforts to belittle the scheme are being made in various quarters. Mr. C. Diamond, one of the members of the Committee representing users of dyes, which was appointed in November to consider the best method of combating the shortage of aniline-dyes, has answered these objections. The following are his replies to the various difficulties raised:

1. *The Germans will never allow this scheme to go through.*

Undoubtedly the Germans are working most energetically through agents in this country to kill the scheme or any other scheme that will render Great Britain independent of German supplies. They have friends in many quarters who are helping them. If, however, the British traders permit themselves to be intimidated by German bluff or bluster or bullying there is no more to be said. It would be a big triumph for the Germans if the scheme were killed.

2. *The capital of  $\frac{1}{2}$  millions is not sufficient.*

Conservative estimates go to show that in order to produce 2,000,000*l.* worth of dyes per annum the capital proposed is ample—(a) to purchase existing concerns; (b) to erect new works; (c) to leave perhaps 2,500,000*l.* or more for working capital or as a fighting fund. The German capitalisations and output bear out these estimates.

3. *The Government should not interfere in a business project.*

The Government has been forced by the pressure of the trades to endeavour to organise this great national effort. If those concerned will do it themselves, no doubt the Government will be glad to stand aside. There is, however, no evidence of this. Hence the Government offer of 1,500,000*l.* as a loan, at low interest, for twenty-five years, the interest and sinking fund being payable only out of earnings. In other words, here is 1,500,000*l.* offered to those concerned, on very easy terms, for twenty-five years, in order to assist them.

4. *The Government should find all the money, or should guarantee interest to those who may do so.*

The Government requires, and it was agreed by the Conference as very reasonable, that those whose vital interests are involved should do their share in the matter. On an annual trade of 200,000,000*l.* the 3,000,000*l.* to be raised is only  $\frac{1}{2}$  per cent. The first amounts called up are very small. The remaining amounts are also in very small instalments at very long dates.

5. *There should be a heavy tariff put on dyes.*

As to tariff on dyes, that would be all very well for the two or three makers of dyes, but what of the users? Put a tariff of 100 per cent. on dyes, and at once the dye-bill of this country will go up from two millions to four millions per annum. The aim of such a tariff is to secure a bigger price for the maker. He is to get security for his capital and big profits by the aid of the tariff. If the tariff does not give him this it is useless to him. Already the dye-makers have put up the prices of some articles 500 per cent. The users are furious, but they cannot help themselves. The scheme now before them is the only way out. It is that or disaster.

6. *We should do nothing but wait till the war is over, and go back to the Germans for our supplies.*

To do nothing, to wait till the war is over and then go back to the Germans for our dyes, after the Government offer and after the meetings and resolutions that have been held and passed, and to confess failure and helplessness, would be shameful. But more, it would mean that the Germans, later on, could and would charge such prices for their dyes as would soon eat up all the capital proposed to be raised for this scheme, and still leave British industries in a state of dependence. It is said that there are those who seriously suggest such a course. It is hard to think it. But the history of the monopoly of the synthetic-dye industry of Germany compels us to believe that there are those among us who are willing to accept such a conclusion. If they do, on their heads be it.

7. *The Germans will sell dyes cheaply when the war is over, and so smash up the British concern.*

The Germans can, if they like, when the war is over, offer their dyes for nothing, but under the co-operative scheme now proposed, if Britishers are loyal to their dearest individual and national interests, now and in the future German competition cannot touch the proposed concern or injure the new industry. If the users and the allied trades resolve that never again shall they be placed in such jeopardy, the Germans will be powerless and the British company unassailable.

8. *The money put in will be lost.*

The money put in, if wisely used, will be ample to build up a great British industry; and if at the end of ten years it should be found that it was necessary to expend 250,000*l.* a year for this purpose, there should be then an earning power and a goodwill in the company equal to the outlay.

9. *We cannot hope to compete with the Germans in this industry.*

It is quite possible to compete with the Germans in this industry. British resources, skill, courage, and capital can do it. We have to fight the Germans on land and on sea. If we had said that it "could not be done," that they were "too many for us," we should have given in without a blow. These are counsels of despair, and treason to the national welfare. Those who give them should do so openly, and not in whispers.

10. *As there are big firms, trusts, and monopolies which may not join in the scheme, preferring to follow an independent line, or to use German dyes, why should smaller people join?*

The very biggest users are on the Committee, and agreed to the resolution supporting the Government scheme in principle. The Committee was unanimously appointed to carry the scheme to a successful conclusion. But, of course, any concern that has plans of its own is free to stand out of this national effort, which has been endorsed by the traders generally and at a big public meeting of dyers and allied trades in the City Hall, Manchester. But the bigger the concern, the graver the responsibilities imposed upon it in this national crisis. The country is doing a great deal for such concerns in protecting them and enabling them to carry on their businesses and to earn their profits. They have a corresponding duty to the country. Companies are not relieved of the obligations of patriotism.

11. *Can the new company give to everybody all the dyes they need at once; and, if not, when can it do so?*

The new company must creep before it walks. It will start with the control of certain good concerns. It hopes to get others. It will extend its operations in every direction, in order best to meet the emergency. It will have ramifications of a character that should enable it to do this with success. But it cannot work miracles.

12. *How about prices, deliveries, agreements, etc.?*

The board will represent the shareholders, and will be under their control. But all questions such as these are, after all, matters of detail, and the board will no doubt deal with them in a businesslike and practical spirit. It will have a big task. But, again, we may well ask: What will happen if nothing whatever is done?





## Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume." Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

### The Outlook.

SIR,—“J. P. N.” evidently missed the Editor's note in a recent issue: “If no discounting, then there will be drastic overhaul of prices downward.” Discounting is only a temporary phase; we are the buffer State between the Government and the doctors. But why wait now about Insurance dispensing? You were all eager for it, although I warned you. I prepared my shop, and can make money out of it so long as I get 80 per cent., because I do the work myself and do it well. If men are not prepared for cheap work at contract prices, why don't they give it up? Do they expect Governments to pay for “gilding the pill,” when we all know that until we get an invalidity pension (as in Australia) there will be quite 500,000, worth of medicine thrown away yearly by people who merely want the weekly allowance? Lowering the standard is a wail which is illogical on the facts. During the last twenty years secondary schools have been raised all over the land. If their curriculum has not fitted any ordinary pupil who passes out with 65 per cent. to 70 per cent. to his credit to be a druggist, then they have failed. But have they failed? As the *C. & D.* says, “Latin has been dropped by the educational bodies generally.” So it must needs become one of our own “specials.” Where, then, is the lowering? The Registrar of the Pharmaceutical Society said at Chester: “Do you want utility in an apprentice, or do you want culture? If the latter, then why stop at the first book of Cæsar?” The subject is threadbare, and if young Adamson's paper (in Edinburgh) is any guide, then men like G. E. Oliver will get little heed paid to their ramblings. He is in the same class as “X. Y. Z.,” who recently wrote two letters, both of which showed that he fails to grasp the points at issue.

JAY MACK.

### 1898 : Laudanum : 1914.

SIR,—I was pleased to read Mr. Hamson's reply to mine on above subject, as I wanted expressions of opinion from the craft. As to the excessive wording on my label, the purchaser has all necessary information as to conditions of sale of both strengths so long as both can be obtained, which is very important just now. The dose given was intentional; we know doctors often ignore B.P. maximum doses, but we do not encourage the same liberties by the public, and it is safer to quote a lower maximum dose for the public, feeling assured they will not abide by it. Instances could be quoted. The cost of labels is nominal under such interesting conditions, but I did wish Mr. Hamson would have enlightened me as to why the greatly increased strength laudanum should have the same dose. This difficulty influenced me in drafting the subject-matter of the label. One is tempted to ask, “Are we too careful in using a grain or two, more or less, in our work?” A fixed fee—say, 2d.—charged by all chemists for every entry in the poison-register would prevent more sales than signing itself. At present I cannot help favouring the continued use of 1898 strength laudanum, especially for old recipes.

Yours truly,

Gillingham.

A. STOOKE.

### Exacerbation.

SIR,—We have just received the enclosed typed circular from the representatives of A. Wulffing & Co. in England,

complaining of the unjust treatment that the owner of this business is receiving. I quite agree that he is not getting quite the justice that should be meted out to him. If you had seen the women, children, and men shot down by his country's guns, and small cobs manned by men returning from the night's fishing deliberately shelled, as I saw them on December 16, I am sure you would also agree that he was not getting justice. As to his statement that the company will become an English property after the war, he ought to be made to understand that bad Germans do not make good Britishers, and that is the only kind that we have room for.—Yours truly,

Hartlepool.

J. G. DENTON.

[The enclosure is a circular letter, dated January 5, covering a reprint of an article from the “Medical Times” indicating the impartial attitude of the medical profession towards Sanatogen.” The letter also refers to statements made last year regarding the proprietor of that commodity, and concludes: “We have nothing to fear from fair competition, and, as a matter of fact, our business will become a British property as soon as possible after the war. But it is surely unjust that the present proprietor of Sanatogen should be personally attacked in this way, and we feel confident that the majority of pharmacists will repudiate such methods, more especially in view of the pleasant relations which have always existed between themselves and us.” The pencil of a Du Maurier is almost necessary in this case.—EDITOR *C. & D.*]

## Subscribers' Symposium.

For interchange of opinion among “C. & D.” readers, and brief notes on business and practical topics, especially new ideas.

### Travellers and Military Service.

“As the representatives of the different wholesale houses call on me, I note if they are of suitable age to serve their country, and I keep a card on my desk; all firms sending out men answering to this requirement have a cross against their names. Those firms will not in the future receive any orders from me.”—*Practical* (220/21).

[How does our correspondent ascertain if a caller is fit for Army service, or has not obligations that prevent him leaving the commercial pursuit?]

### “Polypharmacy.”

An *Insurance Dispenser* (168/21) has recently dispensed the following prescription written by a panel doctor, who, he says, is still at large:

Phenazoni	...	...	...	3iii.j.
Sodii salicylat.	...	...	...	3iii.j.
Tinct. podoph.	...	...	...	℥xxx.
Ammon. chlor.	...	...	...	3j.
Ext. euonymi liq.	...	...	...	3j.
Tinct. nucis vom.	...	...	...	℥xxiv.
Spt. chloroformi	...	...	...	3j.
Potass. acetat.	...	...	...	3i.j.
Tinct. scillæ	...	...	...	3iss.
Spt. æth. nit.	...	...	...	3i.j.
Spt. juniperi	...	...	...	3i.j.
Decoct. scoparii conc.	...	...	...	3vi.j.
Aquam ad	...	...	...	3vi.j.

Sig.: 3ss. 4tis horis ex aquâ.

### Redding.

“I should supply tasteless cayenne for redding for canaries.”—*J. F. Usher* (Guiseley).

“A mixture of oxide of iron and exhausted powdered capsicum given with food.”—*H. W.* (223/49).

“A ground spice something like cayenne pepper in appearance, but only slightly warming. Probably the outer covers of the capsicums of real value to birds.”—*H. Brad-dock* (Westhoughton).

“What is used in the bird-fancy is the imported ‘sweet’ or ‘tasteless’ capsicum; it is put on the market by bird-fancier firms—e.g., Ramsden, Sandiford, etc.—but can be obtained from such as Evans & Co., Liverpool. Is used mixed with soft foods during the moulting season to impart the deep orange colour to plumage.”—*D. S. Gowans* (Glasgow).

“What is wanted is colour to the ‘dress’—i.e., the feathers—according to the colour of the bird. Generally aniline dyes are used where a feather is not of the same colour. In the words of the ‘Fancier,’ ‘fake’ is more appropriate. ‘Redding’ is used here as ‘to dress or tidy up,’ as ‘redding the hoose for the guidman,’ or ‘redding the we’an—dressing the child.”—*Geo. D. Macfarlane* (Busby, N.B.).

" 'Redding' for birds' plumage (properly termed 'colour-feed'), usually sold at 2s. per lb.:

P. fruct. capsici ... ..	3iv.
P. fruct. capsici (sweet) ... ..	3xyj.
Ol. olivæ ... ..	3iiij.
Sacchari ... ..	3viiij.

Misce.

One teaspoonful, mixed with the raw yolk of an egg and four grated biscuits of the arrowroot type, is given to each fowl three or four times a week. For song-birds less in proportion. The sugar should be a damp sort of the same nature as Demerara, but almost white. Locally it is termed 'beer sugar.'—*G. P.* (223/47).

#### Pimple-lotion.

"Your correspondent 'A. J.' (141/33) in this week's *C. & D.* will find the formula containing sugar-candy and brandy on p. 4 of 'Pharmaceutical Formulas,' 1898 edition, under the title 'Pimple-lotion.' I can confirm the opinion there expressed that 'it is an effectual and quick remedy for eruptions on the face.'—*W. A. M.* (224/4).

"With regard to the note on p. 60 of this week's *C. & D.* under reference 'A. J.' (141/33), I beg to point out that a formula for a lotion for pimples, blackheads, etc., appeared in your issue dated February 22, 1913, p. 79. This recipe contains sugar-candy, brandy, etc., and is probably the one for which your correspondent is asking."—*Wm. E. Lavalette* (Barnsbury).

[A New Zealand subscriber wrote in the issue referred to that the formula "paid for his 'P.F.' over and over again." We repeat it:

Crystallised alum ... ..	3j.
Salt ... ..	3j.
Sublimed sulphur ... ..	3j.
Sugar-candy ... ..	3ij.
Spermaceti ... ..	3ij.
Elder-flower water ... ..	3iiij.
Distilled water ... ..	3iiij.
Brandy ... ..	3x.

Reduce all the solids to fine powder and rub up with the mixed liquids.

"The lotion to be applied at intervals during the day upon linen rags, which should frequently be changed."

The New Zealand subscriber's directions are: "Keep the bottle well shaken, and apply at intervals during the day. Also apply each night before retiring, and allow to dry and remain all night." The latter is better for a stock article.—*EDITOR C. & D.*

### Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

*P. C.* (220/55).—Employed persons above the age of sixteen years and not more than sixty-five years, who are paid for their services in money or kind, must be insured under the National Insurance Act, with certain exceptions. An apprentice to a chemist who is over twenty-one years of age and receives no payment is an exception.

*Oracle* (216/27).—Strictly speaking, the supplying of any prescription written by a panel doctor is dispensing, but it is customary for Insurance Committee officials to pass accounts for articles supplied by non-dispensing contractors if the articles do not bear a dispensing-fee. See paragraph "Non-dispensing Arrangements" in *C. & D. Diary*, p. 205.

*Ph.C.* (213/38).—The assessors of income-tax are this year "trying it on" very severely. They have no right in law to charge any part of the profit on your business at the unearned rate. What you have to do is to prepare a balance-sheet for the guidance of the Commissioners. If you have any difficulty in this matter, consult the Income-tax Adjustment Agency, 9-11 Poultry, Cheapside, E.C.

*C. S.* (224/66).—It may be that the empties referred to are your property, having been purchased along with the business, but that fact does not entitle you to claim payment for them from the wholesalers who supplied them to your predecessor. Any contract in respect to them was between your predecessor and the wholesalers, and it cannot be transferred to you without the consent of both parties. If you want to return the empties to the wholesalers, explain the matter to them, asking for allowances. This will amount to a sale by you to the wholesalers.

*Zambuk* (224/14) complains that several grocers in his town are selling Cooper's Dip without a licence. He has already reported them to the Pharmaceutical Society of

Ireland and to the police, and neither has taken any action. What can he do? [Grin and bear it, or write to the Lord-Lieutenant complaining that the constabulary is not doing its duty. It is no more the Society's business than "Zambuk's" to prosecute.] (2) Another question is: Is it compulsory to adopt metric weights and measures in dispensing and retailing? [No; in spite of the new B.P., the system is optional in trading (this includes dispensing), but chemists should note that metric weights and measures used for the purpose of trade must be verified and stamped.]

*Hazel* (222/10).—No limit of time is allowed to chemists in which to get rid of stocks of B.P. 1898 preparations. The new Pharmacopœia came into force on January 1, and with the gazetted of the notice the duty of the General Medical Council ends. Any postponement of action under the Sale of Food and Drugs Acts lies with the Local Government Board and the local authorities who are charged with the administration of these Acts. As explained in the *C. & D.*, January 2, pp. 49 and 50, the Pharmacy Act, 1868, and the Merchandise Marks Act also apply, but we do not expect that the authorities will have the uncommon sense of exercising their rights under these Acts, except in cases where vendors continue to sell 1898 preparations with fraudulent or mercenary intent.

### Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

*Boxing Day* (208/29).—THE MAGNETIC LINIMENT could be increased in strength by using a larger proportion of turpentine and ammonia, but we do not advise you to make this alteration if you intend selling it as a general liniment.

*M. R. C.* (196/27).—WHITE-PINE EXPECTORANT.—The formula to which you allude is evidently the syr. pini strobi co., N.F., as follows:

White-pine bark ... ..	2 oz. (troy) 320 gr.
White-cherry bark ... ..	2 oz. (troy) 320 gr.
Spikenard-root ... ..	150 gr.
Balm of Gilead buds ... ..	150 gr.
Blood-root ... ..	120 gr.
Sassafras-bark ... ..	100 gr.
Morphine sulphate ... ..	8 gr.
Chloroform ... ..	90 mins.
Sugar ... ..	24 oz. (troy)
Alcohol, water, and syrup	of each a sufficiency

Reduce the first six ingredients to No. 40 powder, and make 16 oz. of tincture by maceration and percolation with a menstruum consisting of 1 volume of alcohol and 7 volumes of water. In this tincture dissolve the sugar and the morphine sulphate, add the chloroform and sufficient syrup to make 32 oz. of syrup.

*W. B.* (191/50).—PERFUMING TOILET-CREAM.—If you find alcoholic perfumes incompatible with the toilet-cream, it will be advisable to employ essential oils. Mixtures of rose-geranium and lavender oils, or the oils employed in making eau de Cologne, generally give satisfaction. To ensure perfect mixing add the oils at an early stage in the manufacture of the cream.

*W. T. W.* (226/7) wants to know if TAP-WATER USED IN INSURANCE PRESCRIPTIONS is not to be charged for. The Tariff does not definitely say so, he adds. [No charge for tap-water is authorised by the Tariff, nor can payment for it be enforced under the contract.]

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," January 14, 1865.

### Homœopathic Medicines.

A short time since, two children were charged at the Wisbech Police Court with stealing several bottles of homœopathic medicine from the shop of Mr. Tinnel. It was said in court that they had eaten the contents of more than twenty bottles, "without being either better or worse for it." The children were dismissed with a reprimand.



# PEARS

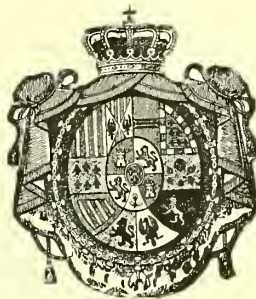
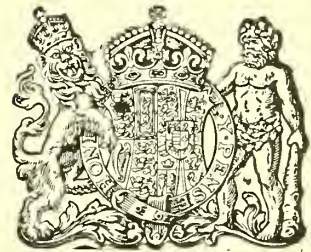


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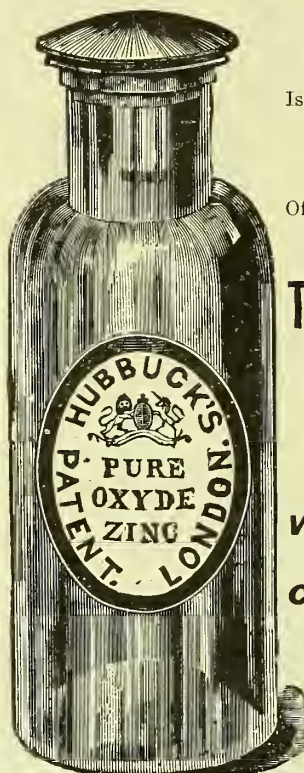
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Huskisson, H. O., & Co.  
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The New Remedy in Amoebic Disease.—*Vide British Medical Journal*, Aug. 24, 1912, pp. 405-408.

Emetine for Hæmoptysis: *Vide Press Médicale, Paris*, September 24.—"The result is surprising, hæmorrhage from the lung ceasing at once."—Prof. C. FLANDIN.

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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

**A**cetanilide, B.P., 1 cwt. @ 1/8½ lb.; 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.; powder, 1d. lb.  
 \*Acet. Ipecac. B.P., 7 lbs. @ 1/9 lb. [extra.  
 \* " Scilla, P.B., 7 lbs. @ 4½ d. lb.  
 \*Acid. Acet. Glacial, 99% Carboys, 160 lbs. @ 50/-; 12 6-lb. bots. @ 9d. lb.; 6 lbs. @ 10d. lb.  
 " Acetylo-Salicyl., 56 lbs. @ 6/6 lb.; 7 lbs. @ 7/3 lb.; 1 lb. @ 8/- lb.  
 " Boric Pulv., 3 cwt. @ 34/- cwt.; 1 cwt. @ 34/6 cwt.; levigd. 3/- cwt. or ½ d. lb. extra.  
 " Carhol. Xtls., 39/40; 56 lbs. @ 1/3 lb.; 10-lb. Tins @ 13/- each; 36 1-lb. Bots. @ 1/5 lb.; Single Bots. @ 1/7 lb.; Detached Cryst., 10-lb. Tins @ 14/- each; 1 lb. @ 1/9 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5-gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.  
 " Diethylbarbituric, 16 oz. @ 30/- lb.; 1 oz. @ 2/- oz.  
 Ammon. Brom., P.B., 1 cwt. @ 3/9 lb.; 7 lbs. @ 4/- lb.  
 Ammon. Carb. lump, 3 cwt. @ 4½ d. lb.; 28 lbs. @ 5½ d. lb.; 7 lbs. @ 6d. lb.; powder, ¼ d. lb. extra.  
 Amyli Pulv., 10 cwt. @ 13/- cwt.; 2½ cwt. @ 14/- cwt.; 1 cwt. @ 16/- cwt.  
 \*Aqua Anethi Conc., 1-40, 1 lb. @ 2/11 lb.  
 " Anisi Conc., 1-40, 1 lb. @ 3/1 lb.  
 " Aurant. Trip., 53 lbs. for 23/-; 6 lbs. @ 7d. lb.  
 " Aurant. Conc., 1-40, 1 lb. @ 6/1 lb.  
 " Cinnam. Conc., 1-40, 1 lb. @ 3/4 lb.  
 " Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 7d. lb.  
 " Rosæ Conc., 1-40, 1 lb. @ 7/- lb.  
 " Samb. Conc., 1-40, 1 lb. @ 6/1 lb.  
 " Samh. Trip., 53 lbs. for 29/-; 6 lbs. @ 8d. lb.

**E**mulsion Ol. Morrhuæ, 5 lbs. @ 11d. lb.  
 Ess. Bergam. (Oil), 12 lbs. @ 12/6 lb.; 1 lb. @ 13/6 lb.; not guaranteed absolutely pure.  
 Ess. Limonis (oil) original coppers, 12 lbs. @ 4/9 lb.; 6 1-lb. bots. @ 5/3 lb.; not guaranteed absolutely pure.  
 \*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 7/9 lb.; 1 lb. @ 8/- lb.; solid, 7 lbs. @ 4/7 lb.  
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.  
 \*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.; Solid, P.B., 4 lbs. @ 20/- lb.; 1 lb. @ 21/- lb.  
 \*Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7½ lb.  
 Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.  
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.  
 Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½ d. lb.  
 \*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.; 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.  
**F**erri Ammon. Cit., P.B., 28 lbs. @ 2/7½ lb.; 7 lbs. @ 2/9 lb.  
 Ferri et Quinina Cit., P.B., 500 ozs. @ 6½ d. oz.; 100 ozs. @ 6½ d. oz.; 25 ozs. @ 7½ d. oz.  
**G**um Acaciae sortis, 3 cwt. @ 45/- cwt.; 1 cwt. @ 49/- cwt.; 7 lbs. @ 7½ d. lb.; English Ground Powder, No. 1, 1 cwt. @ 100/- cwt.; 7 lbs. @ 1/2 lb.; No. 2, 1 cwt. @ 81/- cwt.; 7 lbs. @ 10½ d. lb.  
**H**oney, Pale Set, Jamaica, 3½ cwt. @ 37/- cwt.; 28 lbs. @ 50/- cwt.; Californian, ½ cwt. @ 52/6 cwt.; 7 lbs. @ 7½ d. lb.  
**I**chthylol Ammon. Sulphonas, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.  
 \*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 " Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.

\*Liq. Iodi Fort, B.P., 5 lbs. @ 6/- lb.  
 " Morphina Acet. or Hydrochlor., P.B., 6 lbs. @ 3/4 lb.  
 " Opium Sed., 5 lbs. @ 4/6 lb.  
 " Plumbi Suhacet., P.B., 7 lbs. @ 3½ d. lb.  
 " Pruni Virg. p.s., 1-7, 5 lbs. @ 2/6 lb.  
 " Rheados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.  
 " Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.  
 " Santali Co., 1 lb. @ 4/- lb.  
 " Sennæ Dulc., 6 lbs. @ 1/4 lb.  
 " Sennæ pro Syr., 1-7, 6 lbs. @ 2/- lb.  
 " Strychnina Hyd. P.B., 6 lbs. @ 1/6 lb.  
 " Tolut. pro Syr., 1-7, 6 lbs. @ 1/8 lb.  
**N**aphthalene Candles or Balls, 1 cwt. @ 15/6 cwt.; 56 lbs. @ 18/- cwt.; 28 lbs. @ 20/- cwt.  
**O**l. Caryoph. Ang., B.P., 9 lbs. @ 4/11 lb.; 4½ lbs. @ 5/1 lb.  
 Ol. Eucalypt., B.P., 1 cwt. @ 1/4½ lb.; 28 lbs. @ 1/5½ lb.; 9 lbs. @ 1/7 lb.  
 Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.  
 Ol. Gynocardiæ, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.  
 Ol. Juniperi Bacc., B.P., 4½ lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ligne Exot., 1 cwt. @ 1/7 lb.; 28 lbs. @ 1/9 lb.; 9 lbs. @ 1/10 lb.  
 Ol. Lavand. ab Flor., 5 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.  
 Ol. Menth. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. @ 34/6 lb.  
 Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 5/11 gall.  
 Oxymel Scilla, B.P., 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; \*7 lbs. @ 7d. lb.  
**P**epsin, B.P., 10 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.  
 Phenacetin, P.B., pulv., 7 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.

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\*Aqua Laurocerasi, 53 lbs. for 22/-; 6 lbs. @ 7d. lb.  
 " Menth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.  
 Argent. Nit., 6's to oz., 25 oz. @ 1/9½ oz.; 1 oz. @ 1/11 oz.  
 " Cryst., 25 oz. @ 1/8 oz.; 8 oz. @ 1/9 oz.  
**B**als. Copaibæ, pure, 44 lbs. @ 1/8½ lb.; 9 lbs. @ 1/11 lb.; 1 lb. @ 2/2 lb.  
 " Peruv., P.B., 7 lbs. @ 8/6 lb.; 1 lb. @ 9/- lb.  
 " Sulphur, 7 lbs. @ 8d. lb. [lb.  
 " Tolut. B.P., 50 lbs. @ 2/5 lb.; 1 lb. @ 3/2 Bismuth, P.B., Carb., 28 lbs. @ 11/6 lb.; 7 lbs. @ 11/9 lb.; 3 lbs. @ 12/- lb.; 1 lb. @ 12/4 lb.; subnit. 1/- lb. less.  
 Boracic Mixture, 1 cwt. @ 44/- cwt.  
 Borax, 1 cwt. @ 20/-; powder 1/- extra.  
 Butyl Chloral Hydras., P.B., 1 lb. @ 14/- lb.  
**C**amphor, English Flowers, "not artificial," 5 lbs. @ 2/3 lb.; 7 lb. tabs., ½ oz., ¾ oz., or 1 oz. @ 2/4 lb. Crude, good white, about 92% as imported, 140 lbs. @ 1/9½ lb.; 28 lbs. @ 1/10½ lb.  
 Cocaine Hydrochlor., B.P., 25 ozs. @ 7/8 oz.; 4 ozs. @ 8/3 oz.; 1 oz. @ 9/- oz.  
 Cream Tartar, 98% powder, 1 cwt. @ 151/- cwt.; 7 lbs. @ 1/7 lb.  
 \*Dec. Aloes Co. Conc., 1-2, 6 lbs. @ 2/9 lb.; Sincroco, 6 lbs. @ 1/2 lb. [lb.  
 " Cinchona (Rubra) Conc., 1-7, 6 lbs. @ 1/10 lb.  
 " Senegæ Conc., 6 lbs. @ 2/6 lb.

\*Inf. Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.  
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.  
 " Cascarella Conc., 1 to 7, 6 lbs. @ 1/4 lb.  
 " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.  
 " Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.  
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.  
 " Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.  
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.  
 " Senegæ Conc., 1 to 7, 6 lbs. @ 2/1 lb.  
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
**L**in. Camph. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @ 1/1 lb.  
 Lin. Sapo. Meth., 9 lbs. @ 7d. lb.  
 " Tereb. Acet., B.P., 5 lbs. @ 1/- lb.  
 Linseed c. Oil. Crushed, 3 cwt. @ 19/- cwt.; 1 cwt. @ 20/- cwt.  
 \*Liq. Ammonii Acetatis Conc., 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½ d. lb.  
 " Ammon. Aromat., 6 lbs. @ 9d. lb.  
 " Antim. Chlor., Pure, 8 lbs. @ 6½ d. lb.  
 " Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.  
 " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.  
 " Bismuth, P.B., 6 lbs. @ 1/3 lb.  
 " Copaiba Buchu et Cubeb, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.  
 " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.  
 " Ferri Dialysat., 6 lbs. @ 7d. lb.  
 " Ferri Iod. p.s., 1-7, 1 lb. @ 7/10 lb.  
 " Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.  
 " Ferri Phosph. Co., p.s., 1-7, 7 lbs. @ 1/6 lb.  
 " Hamamelidis, B.P., 6 lbs. @ 1/1 lb. [lb.  
 " Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/8

Phenazone, P.B., 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.  
 Phenolphthalein, 7 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.  
 Plumbi Acetas, Druggists', 1 cwt. @ 45/- cwt.; 7 lbs. @ 6½ d. lb.; Powder, 1½ d. lb. extra.  
 Potass. Acetas, Gran., P.B., 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/6 lb.  
 Potass. Iod., P.B., 1 cwt. @ 12/10 lb.; 14 lbs. @ 13/4 lb.; 3 lbs. @ 14/- lb.  
**R**ad. Jalap., English Ground, 28 lbs. @ 1/3½ lb.; 7 lbs. @ 1/4½ lb.  
 Rad. Rhei E.I., English Ground, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.  
**S**affron, Valencia, B.P., 7 lbs. @ 40/- lb.; 1 lb. @ 41/- lb.; 1 oz. @ 2/10 oz.  
 Shellac (Orange), 1½ cwt. @ 68/- cwt.; 7 lbs. @ \*Syr. Aurant. P.B., 7 lbs. @ 10½ d. lb. [9d. lb.  
 " Easton, B.P., 7 lbs. @ 1/2 lb.  
 " Ferri Iodid. P.B., 7 lbs. @ 1/5 lb.  
 " Ferri Phosph. Co., 7 lbs. @ 6½ d. lb.  
 " Hypophosph. Co. B.P.C., 7 lbs. @ 10½ d. lb.  
 " Pruni Virg., B.P., 8 lbs. @ 8½ d. lb.  
 " Rhamni, P.B., @ 11d. lb.  
 " Rhei, P.B., 7 lbs. @ 9d. lb.  
 " Scilla, P.B., 7 lbs. @ 6d. lb.  
 " Sennæ, P.B., 7 lbs. @ 9d. lb.  
 " Tolut, P.B., 7 lbs. @ 8½ d. lb.  
**U**ng. Acid. Boric, P.B., 28 lbs. @ 7½ d. lb.; Flaw, 28 lbs. @ 5½ d. lb.  
 " Acid. Carb., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.  
 " Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb. [1/1 lb.  
 " Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @

\*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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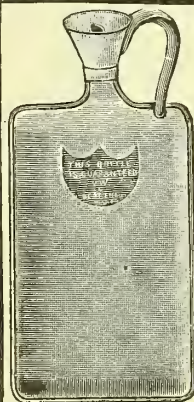
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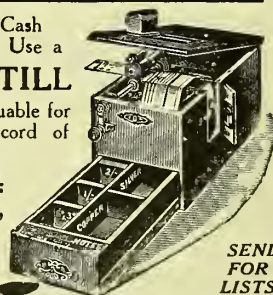
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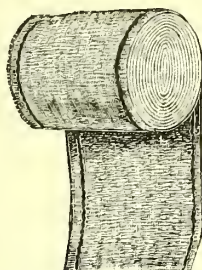


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No. 1331.—The <b>Santon Crepe Bandages</b> , last edges, $\frac{1}{2}$ yards long when stretched out—						Width	2 in.	2 $\frac{1}{2}$ in.	3 in.	3 $\frac{1}{2}$ in.	4 in.
Medium substance for ordinary wear	...	...	...	...	...	per doz.	<b>6/3</b>	<b>7/3</b>	<b>8/3</b>	<b>9/3</b>	<b>10/3</b>
Stout " for <b>hard</b>	...	...	...	...	...	"	<b>8/-</b>	<b>9/6</b>	<b>11/3</b>	<b>13/-</b>	<b>14/6</b>

Full directions for use with each Bandage.

**Cotton Elastic Web Bandage** ... per doz. yards, 2 in., **3 6**; 2½ in., **4 6**; 3 in., **5 6**.  
**Leg Bandage**, 3 yards long, fitted with tapes, ready for use, each **1 6**.

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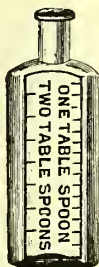
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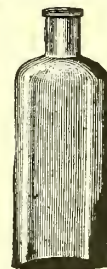
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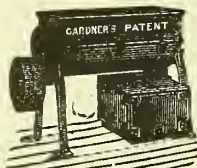
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**TOZER, KEMSLEY & FISHER, Ltd., 84 Fenchurch St., LONDON, E.C.**



# Indiarubber Hot Water Bottles.

## BEST BRITISH MANUFACTURE.

### REDUCED PRICES.

**TOOGOOD'S SPECIAL QUALITY, Figs. 457 or 1474, with ROWE'S PATENT STOPPER.**

8×6	10×6	10×7	10×8	12×6	12×7	12×8	12×10	14×7	14×8	14×10	14×12
2/6	2/9	3/-	3/4	3/1	3/6	3/8	4/2	3/10	4/1	5/-	5/6 each.

**WARNE'S EXTRA SUPER QUALITY, Fig. 457, or BURBRIDGE'S PATENT, Fig. 458.**

8×6	10×6	10×7	10×8	12×6	12×7	12×8	12×10	14×7	14×8	14×10	14×12	16×10	16×12
3/2	3/11	4/-	4/10	4/-	5/-	5/6	6/1	5/6	6/-	7/-	8/6	7/9	8/9 ea.

**William Toogood,**

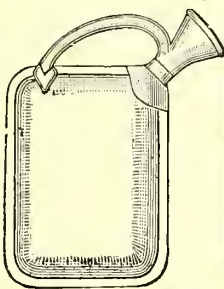
LIMITED,

77 Southwark St.,  
LONDON, S.E.

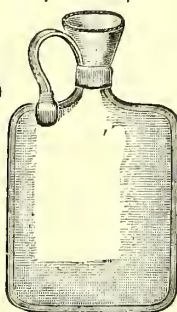
'Phone—HOP 4170  
(2 lines).



457



458



1474

*Special Terms in 1 doz.  
lots and upwards.*

**TOOGOOD'S  
SPECIAL QUALITY,**

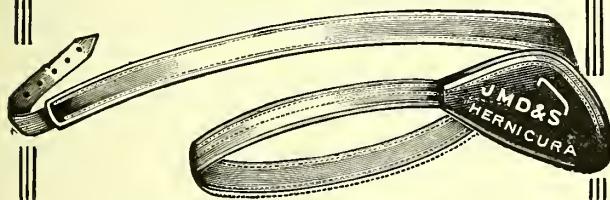
extra 5 %

**WARNE'S  
EXTRA SUPER,**

extra 2½ %

## "HERNICURA"

(Regd. No. 251807).



**You know**

how often you have trouble in fitting customers with trusses, and how frequently dissatisfaction is expressed.

**Try**

the "Hernicura" Trusses. They are easy to fit, possess great adaptability, give absolute satisfaction, and yet are most reasonable in price.

WRITE FOR PRICE LIST.  
SPECIMENS ON APPRO.

**John Morgan Davis & Sons**

TRUSS & SURGICAL APPLIANCE MAKERS,

278 BISHOPSGATE, E.C. (1)

## BOTTLES :

:: YORKSHIRE MAKE ::

**DISPENSING as illustrated, Plain or Graduated.**

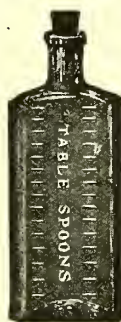
14 & 2 oz.	8 & 4 oz.	6 & 3 oz.	10 oz.	12 oz.
7/9	8/-	9/-	13/-	14/6
	16 oz.	20 oz.		
	19/6	21/-	per gross.	

**GREEN PANELLLED (three sides)**

1/- per gross extra to above prices up to 8 oz., 2/- extra beyond.

**GREEN PANELLLED HEAVY (for Cough Mixtures)**

2½ oz. 8/9; 5 oz. 10/- per gross.



**POISON. Oval Ribbed, Pale Green (for Ammonia)**

8 & 4 oz.	6 & 3 oz.	10 oz.	12 oz.	16 oz.	20 oz.
9/6	10/6	13/6	15/-	19/6	21/6
per gross.					

VIALS and HEXAGON POISONS at proportionately low prices.

**TERMS: NET CASH 7 DAYS. CRATES 1/- EACH.**

Carriage paid on 6 gross assorted crates up to 100 miles ex Leeds (small extra charge beyond that distance).

**THOMAS SWALES,**  
24 BUTTS COURT, LEEDS.

# WYLEYS LIMITED

Manufacturing & Analytical Chemists,  
WHOLESALE & EXPORT DRUGGISTS, **COVENTRY.**

## MALT AND MARROW.

A COMBINATION OF RED BONE MARROW AND FLUID EXTRACT OF ENGLISH MALT WITH GLYCEROPHOSPHATES. A VALUABLE NUTRITIVE AND DIGESTIVE TONIC.

Packed in 12 oz. round-edged amber bottles ... **24/-** per doz.

## "VITANO."

"VITANO" is the name of a meat, malt, and port wine, originally put on the market at the suggestion of a well-known physician, who required a guaranteed article of definite quality and composition.

Prepared from choice, selected, matured wine, in combination with extract of meat and extract of malt, "Vitano" indicates a preparation of extreme usefulness in all cases of debility and want of general tone.

Dose: A small wineglassful three times a day.

"Vitano," in reputed pints ... doz. **12/-**

"Vitano," in reputed quarts ... **24/-**

## PETROLEUM CONSERVE (Raspberry Flavour).

A preparation of specially purified petroleum, which is now widely used as a laxative. This preparation acts purely mechanically as a laxative and soothing lubricating agent. It is absolutely harmless and may be taken freely by all, including delicate children.

4 oz. Screw Cap Vases ... **6/-** per doz.

## COD LIVER OIL EMULSION.

In white bottles, new series, without cartons. 3 oz., **4/6**; 6 oz., **7/6**; 12 oz., **12/3**; 24 oz., **22/6** per doz.

"Lifebuoy" Brand, blue and gold labels.

"Three Spires" Brand, red and gold labels.

"Fish" Brand, green and gold labels; also chocolate and gold labels.

Three dozen, name and address free.

## EXTRACT OF MALT WITH COD LIVER OIL.

6 fl. oz., **5/6** per doz. Cartons, three varieties: 9 fl. oz., **7/6**; 12 fl. oz., **9/6**; 18 fl. oz., **12/6**; 24 fl. oz., **15/-** per doz.

In white earthenware pots: 1 lb. size, **9/-**; 2 lb. size, **15/-** per doz.

In screw-cap amber glass jars, patent stoppers. Round, square and oval.  $\frac{1}{2}$  lb., **5/6**; 1 lb., **8/-**; 2 lb., **14/-**; 4 lb., **25/-** per doz.

Also put up in 1 lb. oval amber Wood's jars, 1 lb., **9/-** doz.; 2 lb., **15/-**

## PHOTOGRAPHIC SPECIALITIES.

*"Photopel" was the first Compound Photographic Pellet put on the market, and was originally produced by ourselves, under Patent 6065 in 1869*

## "PHOTOPEL"

(REGISTERED)

A Developing  
Photographic Pellet.

The object of "Photopel" is to minimise the trouble of preparing developing solutions for photographic use, and to combine in a portable and permanent form the necessary materials for producing negatives or more finished pictures as opals, transparencies, etc. "Photopel" is alike adapted for Negatives, Opals, and Lantern Slides.

**Prices.**—Bottles containing 24 Pellets of "Photopel" (sufficient for 24  $\frac{1}{2}$ -plates or 48  $\frac{1}{4}$ -plates), **8/-** per doz. net.

### PACKET DEVELOPERS ("Photopel" Brand).

PYRO-SODA. METOL-QUINOL. GASLIGHT PAPER. HYDROKINONE. Each packet makes 10 oz. of solution.

**Prices.**—Per gross, **15/-** net.

COMBINED GOLD TONING AND FIXING BATH. GOLD TONING BATH.

**Prices.**—Per gross, **18/-** net.

These are put up in boxes of one dozen each. Each powder is well wrapped in waxed paper, and will keep without deterioration for any length of time. Name and address on six dozen.

## Warehouses, Laboratories & Drug Mills, Coventry.

London Depot: 2 BATH STREET, CITY ROAD, E.C.



# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JANUARY 16, 1915.

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

### PROVIDED THE MONEY IS TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3317 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

## BEST RESULTS EVERY WEEK!

← That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

## THE PUBLICITY IT PAYS TO PAY FOR.

# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—LONDON (Northern Suburb).—Retail and Dispensing Business; situate in shopping thoroughfare; returns between £1,700 and £1,800 per annum; gross profit 40 per cent.; price about £1,100; full investigation invited.
- 2.—LONDON, S.W.—An old-established Business, good-class Retail and Dispensing; returns show a steady increase, present rate about £1,500; good opportunity for a pushing man; price to be arranged.
- 3.—WEST END.—For immediate Disposal, high-class Pharmacy; situate in close proximity to Bond Street; returns average £2,000 per annum, present rate less; ill-health cause of sale; no reasonable offer refused.
- 4.—ESSEX.—Retail and Dispensing Business; established many years and held by vendor 20; returns (present rate) £700; net profit £232; comfortable residence; price £260.
- 5.—LONDON, S.W.—Ready-money Business; returns £1,000 yearly; net profit £300; full investigation permitted; the premises are held on lease; price £750, or valuation of stock and fixtures.
- 6.—LONDON.—Special opportunity; for immediate Disposal, middle-class Retail and Dispensing Business; returns under manager about £700; scope for considerable development; price £275.
- 7.—KENT (Few Miles Out).—Good-class Retail and Dispensing Business; returns £703; net profit about one-third; very convenient shop and good house; price £450, about the value of stock and fixtures.
- 8.—CORNWALL (Health Resort).—Good-class Dispensing and Retail Business; position unique; returns average about £1,000; terms, valuation of stock-in-trade and small premium to be arranged.
- 9.—NORTH OF ENGLAND.—Retail and Optical; situate in manufacturing town; main thoroughfare; returns £1,360; net profit £580; terms, valuation of stock and fixtures and sum for goodwill to be arranged.
- 10.—WESTERN COUNTY.—Good-class Business, Family Retail and Dispensing; established many years; returns (present rate) about £1,300 per annum; well-fitted shop; rent £55; to effect a speedy transfer some sacrifice would be made.
- 11.—HOME COUNTY.—Unopposed Business; price £430; for immediate Disposal, Dispensing and Family Retail, with appointment; returns £625; net profit £241; good house and garden.
- 12.—SCOTLAND.—Retail and Dispensing; much let down; for sale owing to ill-health and old age; returns £500, formerly £1,000; a young man with energy would soon materially increase the business; price to be arranged.
- 13.—OXON.—Good-class Business, with small Mineral Water Factory attached; returns about £1,000 per annum at good prices; terms, valuation of stock and fixtures.
- 14.—SURREY.—Modern Pharmacy; situate in a pleasant district; well-appointed shop and ample stock; returns (present rate) £1,600; the business admits of extension; full investigation invited; terms, goodwill £100 and valuation of stock and fixtures.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



# BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,300 returns.—KENT.—Good medium-class Light Retail, increasing; fine position; unopposed; nice house; net profit about £350; price £850.

£1,300 returns.—BIRMINGHAM.—Light Cash Retail, with Photo and some Optical; price £800, or goodwill £100 and valuation.

£900 returns (about).—GLOUCESTERSHIRE.—Good-class Light Country Retail, with very good residence, garden, etc., in desirable locality; price £500.

£1,300 returns.—YORKS.—High-class Retail in residential suburb of large town; good house, yard and garden; at valuation of stock and fixtures, about £900.

£1,400 returns.—LANCS.—Good-class Light Retail in popular seaside resort, with desirable house accommodation; plenty of scope for side-lines; price £900.

£1,100 returns.—CORNWALL.—Death Vacancy; good class Light Retail; fine chance for man of limited capital.

We have cash Buyers for businesses from  
£500 to £5,000.

Valuations conducted upon the shortest notice  
at moderate fees.

# PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by—

BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W.

Tel. No. Victoria 27.

Locality	Returns	Rent	House	Price
London, S.W.	£500	£40	7 rooms, &c.	£200 or offer
London, W.	800	80	5 rooms, &c.	250
Devon Coast	770	60	Large modern	500
Isle of Wight	500	42	9 rooms, &c.	250
Scotland	700	30	Good modern	250
Wales	1,500	100	Can let to profit	1,000
North Kent	600	40	Small	250
Wales	1,150	£2	(Cash retail) 5 rooms	800 or offer
London, W.	1,400	£0	Small	Valuation
London, E.C.	1,100	70	Good	Offer

Many of the above have or can have part of rent paid by sub-letting to advantage.

Valuations, Estimations, Examinations. Moderate charges.

Stocktakings and Balance Sheets prepared. Moderate charges.

If any inquiry is necessary about above, please address to me  
c/o Mr. Holloway, Chemist, Broadway, Southend, until Wednesday,  
noon.

# THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS.

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

# MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—CORNWALL (Death Vacancy).—Old-established Light Family Retail and Dispensing Business; returns between £1,000 and £1,100; double-fronted shop, in good position; same hands over 20 years; low price accepted for early sale.

2.—DEVON COAST.—Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

3.—SURREY.—Unopposed Light Retail and Dispensing Business; 3,000 private scrips yearly; returns £620; net profit £200; modern house, attractive shop; price £430.

4.—KENT COAST.—Light Family Retail and Dispensing Business, in central position; established many years; returns average £750, last year £520; good premises, fully stocked; price £300 cash; strongly recommended.

5.—SURREY (Charming Locality).—Light Country Retail Business, returning over £400; net profit £160; large house and garden; net rent only £15, on lease; stock and fixtures worth £200; price £175.

6.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; low rent; price £800.

7.—LONDON (Western Suburb).—Good-class Retail and Dispensing, with Photographic trade; returns £750; plenty of scope; well-fitted shop, good stock; price £300.

8.—BUCKS.—Good Light Retail, Dispensing and Prescribing Business, in pleasant market town; returns nearly £1,200; net profit £350; assistant kept; large house and garden; price £800.

9.—EASTERN COUNTY.—Good-class Retail and Dispensing Business, in most desirable town; returns £900, at good profits; low rent; handsome Pharmacy, fully stocked; price £700, about valuation.

10.—LANCS.—Cash Retail, Prescribing, with N.H.I.; returns over £900; net profit over £300; good main road position; low rent; convenient house; stock and fixtures worth £475; price only £350.

11.—DERBYSHIRE.—Unopposed Light Village Retail Business; returning £550; net profit £195; books properly kept; good house and shop; low rent; price for quick sale £250, about valuation.

12.—CHESHIRE.—Good-class Dispensing and Light Retail; over 3,500 private scrips yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house; price £750.

13.—LONDON (Essex Suburb).—Good ready-money Retail Business, under management; present returns about £1,000, besides £500 a year from N.H.I.; modern-fitted shop, excellent position; plenty of scope; price £600 cash.

14.—LONDON (South).—Well-established ready-money Retail Business, in busy main thoroughfare; returns approach £2,000; good profits; low rent; convenient premises; well stocked; price £950 cash.

**BUSINESSES WANTED** in all parts, town and country, from £300 to £3,000. Genuine cash buyers waiting.

## STOCKTAKING VALUATIONS.

We, as the originators of stocktaking valuations, have for many years past continued to point out to chemists the importance of an annual stocktaking; and this year, more than ever, every Chemist in business should take stock. We as experts undertake this work at a very low fee, and without in any way upsetting the ordinary routine of your business.

Please read page 64 in "C. & D. Diary," and write for pamphlet and terms.



## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**ABERFAN** and Nelson and Llancaiach, South Wales.—For Sale as a going concern, old-established first-class Retail and Dispensing Chemist and Druggist Business; last year's returns at Aberfan £1,165, Nelson and Llancaiach £354; N.H.I. Dispensing; only shops in villages. For permission to inspect apply Mr. H. Riley, 22 Park Row, Leeds, Incorporated Accountant, to whom offers can be made.

**EAST KENT**.—Mixed Business for Sale; in present family over 80 years; returns £850; profits good; every investigation courted; price £500; the business occupies a good position in centre of large agricultural district. 175/20, Office of this Paper.

**ESSEX**.—Cash Retail and Dispensing Business for immediate Sale as going concern; main thoroughfare; good house attached; long lease; comparatively newly fitted and stocked; gross profits £250 yearly; neighbourhood rapidly growing as high-class health resort; no opposition; every investigation courted; price £650 or near offer for cash. Apply, 176/26, Office of this Paper.

**GLAMORGAN**.—£100 down and balance by easy instalments for Light Retail Business in main street of good business town; returns over £1,000; net profit over £300; established 20 years; long lease granted, own freehold; price, valuation of stock and fixtures; vendor retiring. Apply, "Freehold" (171/25), Office of this Paper.

**GLOUCESTERSHIRE** (Mining District).—Small country Business complete; good fixtures; nice house and garden; rent £16; owner on active service; must sell cheap for cash to immediate purchaser; big district; nearest Panel Chemist 6 miles. 168/11, Office of this Paper.

**LEEDS**.—Good-class suburban Business; fine position; good house and garden; returns three years average £1,350; price, valuation. 172/21, Office of this Paper.

**LONDON**, Streatham.—Thoroughly genuine Business in good-class artisan neighbourhood; showing at present splendid living under indifferent management; great chance for gentility who can develop a Club trade and do cheap Prescribing; N.H.I. Dispensing, Dentistry, and Optics have never been worked, but good opening exists for all; bargain at £140; trial if required. Only serious inquiries are invited by "Chemist," 279 Garrett Lane, S.W.

**LONDON**, S.W.—Advertiser, wishing to devote full time at his West-End business, offers Suburban one for immediate Disposal; valuation of stock and fixtures £700; electric light; long lease; comfortable house; old-established, with several valuable Proprietaries. Interview arranged after application to "Celeritas" (230/13), Office of this Paper.

**MIDDLESEX** (About 9 Miles Out).—Main road; old-established Light Retail and Dispensing Business; splendidly fitted; returns about £700; lease; rent £45; convenient and roomy house with side entrance; price all at £475; bona-fide inquiries only answered; satisfactory reasons for sale. Apply, "Lavender" (176/25), Office of this Paper.

**SOUTH YORKSHIRE**.—Sound working-class Light Retail Cash Business; returns 1914, £882; net profit £279; well fitted and stocked; double-fronted shop; now doing £16 weekly; cash purchasers only entertained; price £350. Apply, "Iodine" (174/29), Office of this Paper.

**SUSSEX** (Seaside Health Resort).—A genuine old-established concern in main thoroughfare, showing steady increase during past 12 years; returns £900; gross profit £550; price £700, or near offer; takings not affected by the war; good residence, private entrance. 174/20, Office of this Paper.

**YORK** (Death Vacancy).—Old-established Business in main thoroughfare; been neglected through ill-health; returns about £500; scope for large increase; large shop and excellent premises; rent £30; good fixtures and useful stock; for quick sale £150 net. Further particulars from Bleasdale, Ltd., York.

**A**n old-established Business; in present hands 60 years; selling on account of age, etc. 176/19, Office of this Paper.

**CHEMISTS and Druggists**.—Good opening for Retail trade and Insurance Dispensing; in the main Waterloo Road, near Waterloo Station; the premises comprise modern shop, with plate-glass front and roller shutters, four rooms and scullery; rent, £38 per annum, tenant paying rates and taxes; key at No. 210, Apply to Edgar H. Billingham, Estate Agent, 30 Borough High Street, S.E.

**DEATH Vacancy**.—London, N.W.; main road, first-class locality; Light Retail and Dispensing Business; returns £10 to £12 weekly under manager; he did £15 before the war, and principal could do £1,000 in twelve months; elegant fittings; good stock; price only £325, or valuation, to effect speedy sale. Apply to sole agents, Berdoc & Fish, 35 Jewry Street, Fenchurch Street, City.

**FOR Sale**, owing to enlistment, old-established Chemist's Business; main street, Midland market town; Family. Photographic, Wine; returns £1,100; price £950. 176/32, Office of this Paper.

**IN** Large Village, Wales.—Nearly unopposed Business, showing net profit over £300; 5 rooms and small garden; double-fronted shop; rent £52; returns nearly £1,200; price, valuation and small goodwill. Address, "Vendor," 1 Mountfield Road, Church End, London, N.

**IN** a country agricultural district, a Light Chemist Shop Business for Sale; no heavy trade; rent £35; returns £1,200; price required £1,000. For further particulars apply "Ipecac," c/o Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

**INLAND SPA**.—High-class Pharmacy in main shopping street; returns over £1,000, and steadily increasing; well-established Dispensing connection with four leading doctors; excellent house, with separate entrance; family affairs reason for selling. Apply, "Springs" (229/014), Office of this Paper.

**NEGLECTED Business for Disposal**; the position is good, and an opportunity presents to materially augment the turnover by an energetic man with moderate capital; the returns are about £10 a week at fair prices; locality, West London. Further particulars to "Harvey" (174/5), Office of this Paper.

**SUBURBAN Business**, doing good-class cash trade and showing net profit of £350; handsomely fitted shop at a corner of main road, near tram stop; good house; rent very moderate for position; urgent private affairs sole cause of sale; would give fortnight's trial to bona-fide applicant. Apply, Thos. Tomlinson & Son, Chemists' Valuers, 45a Market Street, Manchester.

**TO Chemists**.—First-class opening for Chemist with capital in good market town; excellent site; no goodwill. Apply, 208/20, Office of this Paper.

**£35**.—Small Cash Retail; North London; taking £7; scope to make it £10 weekly; opening for N.H.I.; well stocked; 8 rooms; convenient for letting off part house; first cash offer taken; can be seen at any time; owner must sell. Apply, 174/10, Office of this Paper.

## AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**CANADA**.—To Chemical Manufacturers.—Toronto Agent, with Travellers and connection, will take Selling Agency on commission standard, or special Chemicals and allied lines; good references. 171/37, Office of this Paper.

**EGYPT** being now a British Protectorate, a new field is opened up for British-made Chemicals and Pharmaceuticals; advertiser, who is a qualified Chemist, with sound connections among Doctors, Chemists, and Wholesale Dealers, is open to take up the Representation for Egypt of good-class British Manufacturers; good London references. Address, K. Badr, 213 Brixton Road, S.W.

**RUSSIA**.—Advertiser desires to Represent British firms making or dealing in Chemical and Pharmaceutical products; good connection with large buyers; highest references. R. Crottet, P.O. Box 277, Petrograd.

**A** GENT, covering all Ireland, calling on Chemists and collecting accounts for a well-known firm with a good connection, is open for another Agency; only those firms with a really good agency to offer need reply; satisfactory references given. 178/6, Office of this Paper.



## TENDERS.

WILLESDEN URBAN DISTRICT COUNCIL  
ISOLATION HOSPITAL.

CONTRACT FOR THE SUPPLY OF DRUGS AND  
DRUGGISTS' SUNDRIES.

**TENDERS** are invited for the supply of Drugs and Druggists' Sundries to the Willesden Isolation Hospital for the half-year ending 30th September, 1915.

Forms of tender can be obtained from the undersigned, and the various samples therein referred to inspected at the Hospital, Dog Lane, Willesden, on and after Monday, 18th January, 1915.

Tenders will be required to quote the discount they are prepared to allow off the market monthly list of current prices.

Tenders, to be endorsed "Tenders for Drugs and Druggists' Sundries," must be delivered at the Council Offices before 4 o'clock on Thursday, the 4th day of February, 1915.

STANLEY W. BALL, Clerk of the Council.

Municipal Offices, Dyne Road, Kilburn,  
January 15th, 1915.

## FOR SALE.

**BARGAIN.**—Cash Register for Sale, cheap; used twelve months; small business; keys to 30s.; self-totalling. Write, "C. H.," 59 Ferndale Road, Tottenham, N.

## APPRENTICESHIPS.

**APPRENTICE** (outdoors) required for Belvedere Pharmacy (about 10 miles from London Bridge); must be tall, of good appearance, and well educated; every facility for acquiring all-round experience in a modern Light Retail, Prescribing, and Dispensing business; small progressive salary. Apply Walter Reeson, M.P.S., Dispensing Chemist, 80 High Street, Erith, Kent.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every  
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

## RETAIL.

**BATH.**—Wilson & Dickinson require Junior Assistant, unqualified, age about 21, for high-class Dispensing and Retail; good Dispensing experience essential. Apply, giving salary required, height, experience, age, and full particulars, with photo, to E. G. Dickinson, M.P.S., 11 George Street, Bath.

**BIRMINGHAM.**—Assistant; unqualified; experienced; gentlemanly; good Salesman and Dispenser; one accustomed to good-class trade. Apply, giving full particulars of age, height, experience, salary required (outdoors), and if convenient enclose photo, to Manager, Hedgus (Chemists), Ltd., Dale End, Birmingham.

**BIRMINGHAM.**—Junior wanted at once for the beautiful suburb of Edgbaston; good at Dispensing; outdoors; 30s. weekly to commence; photo, please. Apply, Bellamy & Wakefield, Pharmaceutical Chemists, Hagley Road, Birmingham.

**BOURNEMOUTH.**—Charles D. Cumber, Dispensing Chemist, Winton, Bournemouth, requires a gentlemanly Junior Assistant. State age, experience, and salary required (indoors), enclose photo (which will be returned), give references, and state when disengaged.

**BRISTOL.**—Young qualified Assistant wanted; Dispensing (good class); easy position; comfortable home; very little N.H.I. work. References and salary asked to Edward Maish, Cotham Brow, Bristol.

**CALNE, Wilts.**—Junior Assistant wanted at once; easy hours; must be able to Dispense. State salary required (outdoors) and give references to F. Strawson, 12 Rose Hill, Dorking, Surrey.

**CARDIFF.**—Assistant required. Apply, stating age, height, experience, and salary required (outdoors), with photo, Duck & Son, Chemists, Cardiff.

**CITY.**—Young Junior Assistant wanted; outdoors; no Sunday or night duty; Saturdays 1.30. Apply, "X. Y. Z.," 19 Holcombe Road, Garden Suburb, Ilford, Essex.

**CITY.**—A qualified Assistant wanted immediately; easy hours; comfortable berth; permanency. Apply, 176/10, Office of this Paper.

**COLCHESTER.**—Arthur W. Nunn, Ph.C., F.C.S.; F.S.M.C., is requiring very shortly a gentlemanly Assistant (outdoors) for a high-class business; hours reasonable; town healthy; applicants must be well trained and neat and accurate in Dispensing. Apply, 57 Crouch Street, Colchester.

**DEVONPORT.**—Unqualified Assistant (outdoors) for Light Retail and N.H.I. work; short hours; no Sunday duty. Barrett, Chemist, 21 Albert Road, Devonport.

**FELIXSTOWE.**—Immediately; Junior, accustomed to good-class business; some Photographic experience desirable; easy hours; three kept; outdoors. Usual particulars to H. F. Douthwaite, Pharmaceutical Chemist, Felixstowe.

**HOSPITAL FOR CONSUMPTION, Brompton, S.W.**—Junior Assistant Dispenser (male) wanted; Minor qualifications essential; commencing salary £100, increasing £5 yearly up to £150; hours 9.30 a.m. to 5.30 p.m., and later if necessary; luncheon provided, and if working late time allowed for tea; 14 days' leave a year. Applications, stating age, experience (Hospital or otherwise), accompanied by two recent testimonials, to be addressed to the Secretary.

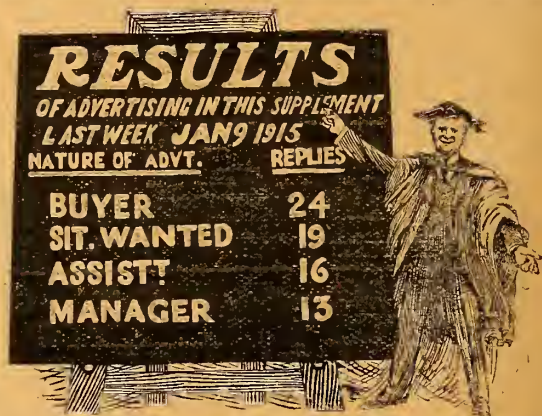
**HULL.**—Wanted, Junior Assistant; outdoors. Send full particulars, age, reference, and salary required, C. H. Kirton, Pharmaceutical Chemist, 197 Colman Street, Hull.

**INVERNESS.**—Wanted, qualified man to Manage branch; suit elderly married man with no family, who might have free house; must be steady and reliable; permanency to a suitable man. Apply, stating salary expected, with references, W. P. McDonald, 31 High Street, Inverness.

**LANCASTER.**—Wanted, unqualified Assistant, about 22 to 25 years of age, for Counter and Dispensing and N.H.I. in good-class business. State salary and experience, Vince, Pharmacist.

## RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.



**L** EEDS GENERAL INFIRMARY.—Junior Assistant Dispenser (male) wanted; must be quick and accurate; meals provided whilst on duty. Applications, stating age, salary required, and copies of testimonials, to be sent to the undersigned. Fred. J. Bray, General Manager.

**L** IVERPOOL.—Outdoor Assistant; no Sunday duty. Particulars L to R. & J. Herman, Pharmacists, Colonial House, Water Street, Liverpool.

**L** ONDON.—Qualified Assistant required for a good business; comfortable permanency to a steady and reliable man. 230/400, Office of this Paper.

**L** ONDON, N.E.—Unqualified Assistant wanted, with Counter and N.H.I. Dispensing experience; outdoors; married preferred; good references essential. Give full particulars, with salary required, and when able to call for interview, to 178.35, Office of this Paper.

**L** ONDON, N.W.—Wanted, Junior Assistant (indoors), with good-class Dispensing experience. Apply, Elmer Pettinger, 30 Rosslyn Hill, Hampstead, N.W.

**L** ONDON, N.W.—Wanted, a capable and gentlemanly Junior; one accustomed to high-class Retail and Dispensing business. Apply, with full particulars and salary required (indoors), enclosing photo if possible, or personal interview if convenient, W. G. Dalby, 6 Canfield Gardens, Hampstead, N.W.

**L** ONDON, N.W.—Wanted, an Assistant, about 22; outdoors; one accustomed to good-class Retail and Dispensing. Please state usual particulars to "Pharmacist" (176/20), Office of this Paper.

**L** ONDON, S.E.—Wanted, an indoor Assistant in a Prescribing branch; qualified preferred; must be active and an abstainer. State references, age, and salary, to "Chemist," 39 Artillery Place, Woolwich.

**L** ONDON, S.W.—Messrs. Tupholme & Son have vacancy for a capable Assistant; must be a quick and accurate Dispenser, and well acquainted with General Pharmacy. Personal interview preferred, if by post enclose photo, 1 Coleherne Terrace, Earl's Court, London, S.W.

**L** ONDON, S.W.—Junior wanted at once for good-class Dispensing and Retail business; outdoors or indoors. Apply, stating all usual particulars, to Feltwell & Son, Chemists, Barnes, London, S.W.

**L** ONDON, S.W.—Junior (outdoors) for up-to-date Pharmacy; Stock, Dispensing, and some Counter; every encouragement to smart man. 'Phone "446 Streatham," or write to C. Breese, 75 Mitcham Lane, Streatham, S.W.

**L** ONDON, W.—Required immediately, Junior with good previous experience. Personal application preferred, or give particulars of previous engagements, age, height, salary required (outdoors), and when disengaged, photo if possible, Sharpe & Son, 34 High Street, Notting Hill Gate, W.

**L** ONDON, W.—Assistant for good-class Retail and Dispensing business; outdoors. State age, height, salary, enclose photo if possible, particulars of last two engagements, W. A. Weston, 8 Sandringham Parade, Ealing.

**L** ONDON, W.—Required shortly, a very smart, tall, up-to-date Assistant as Second hand; must be a first-class Counterman; liberal salary; permanency; outdoors; interview essential; letters first, appointment later. W. V. Wright, 25 Broadway, Hammer-smith.

**L** ONDON, W.—Wanted, a competent Assistant; outdoors; good Dispenser and Counterman. Whitmore Baker, 239 Elgin Avenue, Maida Vale, W.

**L** ONDON Suburb.—Qualified gentlemanly Assistant, about 26, for first-class Dispensing and Retail; quick dispenser; good Counterman, business-like, well trained, and good worker; salary £3 per week (outdoors); position vacant next month. Enclose photo and fullest particulars, "Pushful" (175/40), Office of this Paper.

**M** ANCHESTER.—Junior required for good Dispensing business. State age, height, salary, and reference, F. Robinson, Chemist, 129 Alexandra Road, Manchester.

**M** ANCHESTER District.—An unregistered experienced Manager for high-class suburban; good Window-dresser; energetic, gentlemanly; good references essential. Send copies, photo (returnable), age, height, single or married, salary expected, 163/26, Office of this Paper.

**M** ANCHESTER District.—Qualified Assistant wanted; salary £3 per week and commission; must be quick and reliable and a good Salesman. State age, height, experience, references, and photo, 194/24, Office of this Paper.

**M** ANCHESTER District.—Unqualified Assistant required in good-class Retail and Dispensing business; to save disappointment, men eligible for military service need not reply. Address, "Suburban," c/o Messrs. Woolley, Sons & Co., Ltd., Manchester.

**M** ANCHESTER.—Junior Assistant for good-class Retail and Dispensing business. Apply, with full particulars, to J. S. Breese, Pharmaceutical Chemist, Rusholme.

**M** ANCHESTER.—Qualified Manager required for business in a decent working-class district; proprietor is prepared to offer liberal salary and commission terms to an energetic and reliable man who will settle down. 230/404, Office of this Paper.

**M** ANCHESTER.—Unqualified man required to take charge of Chemist's business situate in working-class district; must be a capable Dispenser, Counterman, and Window-dresser. 230/4, Office of this Paper.

**M** IDLANDS, near Birmingham.—Elderly qualified Chemist required immediately, mainly for N.H.I. Dispensing; very comfortable berth. State age and salary required, 230.04, Office of this Paper.

**P** ORTSMOUTH INSURANCE COMMITTEE.—The Committee require the services of an expert Clerk, capable of checking Doctors' prescriptions and Chemists' accounts under the National Insurance Acts, and of investigating and analysing same, and reporting thereon as directed; salary £120 per annum. Applications, under cover, endorsed "Checker," stating age and qualifications, with copies of not more than three testimonials, to reach the undersigned not later than Thursday, 21st January, 1915. Henry C. Sawyer, Clerk to the Committee, Town Hall, Portsmouth.

**S. W.** ENGLAND.—Dispenser, with the Minor qualification, age about 25 years; hours of business approximately 9 a.m. to 6 p.m.; outdoors. When replying, please state experience and full particulars to "Dispenser," 1,227, Sell's Advertising Offices, Fleet Street, E.C.

**S** HEFFIELD.—Unqualified; must have fair knowledge of Photography; outdoors; 20-26. Please give full particulars of experience, age, height, salary required, and enclose photo (to be promptly returned), H. G. Williams, 118 The Moor.

**S** OUTH COAST.—Assistant; 22-30; experienced Dispenser; outdoors; unqualified; must be a worker; good salary to such; send photo if possible and full particulars in first letter. Address, 172/1, Office of this Paper.

**S** OUTH STAFFS.—Wanted immediately, qualified Assistant, middle-aged, for Light Retail and N.H.I. work; permanency to suitable man; Extraetor preferred. Fereday, Cheslyn Hay, Walsall.

**T** ORQUAY.—Junior Assistant, unqualified, indoors, for good-class Retail and Dispensing business. Apply, stating age, experience, references, and salary required, to J. Newlyn, Wellswood Pharmacy, Torquay.

**W** ESTGATE-ON-SEA.—Assistant (21-24), unqualified, for high-class Dispensing business; easy hours; indoors or outdoors. Please state age, height, experience, and salary required, to C. H. Dixon, Chemist, Westgate-on-Sea.

**W** EYBRIDGE.—A competent Assistant (outdoors) for high-class Dispensing business. State age, height, experience, references, salary required, etc., also enclose photo, E. T. Neathercoat, Pharmaceutical Chemist, Weybridge.

**W** IMBLEDON, S.W.—About February 1; gentlemanly Junior for good-class Dispensing and Light Retail business; no N.H.I.; hours 8 to 8; indoors; weekly half-holiday. Apply, stating age, height, and enclose photo if possible, Blanchford, 76 High Street, Wimbledon.

**A** CAPABLE Assistant; indoors; abstainer preferred; no Sunday duty. Apply or write, stating age, salary required, etc., to W. Wilson, Pharmacist, 80 Lamb's Conduit Street, High Holborn, W.C.

**A** COMPETENT Dispenser and to assist at Retail in first-class West-End business; about 22; qualified or unqualified. Apply, "P. D.," c/o British Drug Houses, Ltd., 22 Graham Street, City Road, N.

**A** BOUT the end of January.—Assistant, about 22, with good Dispensing and General experience; outdoors; short hours. Apply, R. C. Harrison, Pharmacist, Grayshott, Hindhead, Surrey.

**A** SSISTANT wanted; 25 to 40; outdoors; Light Retail, with N.H.I.; knowledge of Photography essential. Please send full particulars, age, height, experience, salary required, with references and photo if convenient, H. Soper, 113 Romford Road (adjoining Technical Institute), Stratford, London.

**A** SSISTANT (unqualified) wanted at once; permanency; must be smart and used to quick Dispensing and Counter business; wage £2 per week; Photo and Optical experience preferred; must have good references. Apply, Baker, Chemist, 87 and 89 Shields Road, Newcastle-on-Tyne.



**ASSISTANT**, Junior preferred (preference to one able to start at once), for good-class Light Retail and Dispensing business. Full particulars, references, and state salary required (indoors or out), A. G. Reid, Petersfield, Hants.

**ASSISTANT** wanted, with energy and ability; not eligible for Military service; permanency and good salary. Apply, Messrs. Timothy White Co., Ltd., Chemists, Portsmouth.

**ASSISTANT** required; experienced; accustomed to good-class business. Please state fully all usual particulars, Darling & Roberts, 81 Stoke Road, Gosport, near Portsmouth.

**ASSISTANT** (unqualified) wanted early February in good-class Dispensing and Retail business, where three Assistants are kept (duty equally divided), who live over premises under care of house-keeper; hours 8.30 to 9, Saturdays 10. Apply, giving full particulars, age, experience, salary, and enclose photo, Procter, 5 Station Parade, Eastbourne.

**ASSISTANT**, competent and experienced in Dispensing, for good-class business; outdoors. Apply, giving full particulars, and state salary, by letter, to H. H. Long, 48 Dorset Street, W.

**ASSISTANT**, unqualified, outdoors, not over 28, single, required for the Distributing Department and to give Relief Assistance at Retail branches. Apply stating age, references, salary, etc., and enclosing photo (to be returned), to T. & W. Woodruff, Chemists, Cheadle, Manchester.

**ASSISTANT**, accustomed to brisk Counter work and Dispensing, with some knowledge of Photography and ability to dress Windows. Apply, Managing Director, Hodder & Co., Ltd., 5 Nelson Street, Bristol.

**AT** Once.—Assistant; qualified; male or female; age immaterial; short hours; easy berth. Apply, stating salary, etc., to T. Eden Exor., 14 St. Aldate's, Oxford.

**CHEMISTS**.—Smart young qualified men, accustomed to quick Cash trade, required for branches in the North of England. Please state salary required, references, experience, and when disengaged, "Chemist," Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

**COMPETENT** Assistant wanted immediately; good-class Dispensing and Retail, with Photography; salary 35s. weekly (outdoors). Apply, with full particulars, to Price, Chemist, 2 Guildford Road, Woking, Surrey.

**DISPENSER** wanted, lady (or gentleman not eligible for active service); preference given to one used to Counter and Window-dressing, but not essential. State salary required and references, W. Heath, 34 Corn Market, Derby.

**DISPENSER-BOOKKEEPER** (male preferred) wanted immediately for medical man; Northern Suburb. Write full particulars to 175/27, Office of this Paper.

**IMMEDIATELY**.—Assistant required, unmarried, for Light Retail and Dispensing business, with good knowledge of Photography and ability to dress windows; please state age, height, salary required (outdoors), photo if possible. Apply, with references, to G. R. Dawson, 42 High Street, Southend-on-Sea, Essex.

**IMMEDIATELY**.—Competent Assistant, chiefly for Dispensing; must have had good experience in best class of trade. W. Ive, 115 Gloucester Road, South Kensington, S.W.

**JOHN BARKER & CO., LTD.**, Kensington, W., require a Counter Assistant; hours 8 to 6, 1 o'clock Saturdays. Apply, R. E. Baron.

**JUNIOR** or Improver; a good opportunity for gaining excellent experience. Apply, stating age, experience, salary, etc., to Gluisyer & Kemp, Brighton.

**JUNIOR**, about 20; indoors, sleep out. All particulars to Dolman, Chemist, Cheltenham.

**JUNIOR** required for branch; good Counterman and Window-dresser. State age, experience, reference, salary required (outdoors), and when disengaged, Bird, Chemist, 156 Spon Street, Coventry.

**JUNIOR** Assistant wanted at once (outdoors) for Light Retail and Dispensing. Apply, stating age, height, salary required, and reference, Charrington, Chemist, Lichfield, Staffs.

**JUNIOR**; unmarried; unqualified; indoors. Sheppard, Pharmacist, Barnstable.

**JUNIOR** Assistant wanted at once; Dispensing experience necessary. State age, salary required, height, and particulars of previous experience, A. E. Grimwade, 81 Cornwall Road, Westbourne Park, W.

**JUNIOR** or Improver wanted at once; one just completed apprenticeship would suit. Full particulars, photo first letter, Lester & Williamson, Chemists, Foleshill Road, Coventry.

**JUNIOR** Assistant for suburban branch; working-class population; outdoors. State age, height, experience, and salary expected, enclosing photo if possible, to Matthews & Son, Pharmacists, 722 High Road, Leytonstone, N.E.

**MANAGING** Assistant; qualified; indoors; good-class Retail. Please state experience and salary required, and enclose photo if possible, 172/7, Office of this Paper.

**PART-TIME** Assistant; suit Student; Monday, Wednesday, Friday, and Saturday, 7 to 10 p.m.; Thursday 1 to 10 p.m.; every third Sunday 6 to 10 p.m.; must be well recommended. Full particulars to Gigner & Co., 160 King's Road, Chelsea.

**PHARMACIST** (lady) to act as Hospital Dispenser and Laboratory and Photographic Assistant; must hold one of the qualifications of the Pharmaceutical Society; salary begins at £104 a year and rises £2 annually to £132; no deduction from salary towards pension. Apply, stating age, qualification, and training, with photograph and copies of testimonials, to Physician Superintendent, Crichton Royal Mental Hospital, Dumfries.

**QUALIFIED** Manager for Branch in Colliery district, early in January; abstainer; permanency. Age, experience, and salary required to D. George, Chemist, Pentre, Glam.

**QUALIFIED** Assistant, accustomed to good-class Light Retail and Dispensing business. Please state age, height, experience, and salary required to Prebble & Bone, Chislehurst.

**QUALIFIED** Assistant in first-class Retail and Dispensing business, with London experience; age about 24; indoors or outdoors; three kept. Apply, stating full particulars, or personally, to Alsop & Quiller, 137 Sloane Street, S.W.

**QUALIFIED** Locum wanted at once for good-class business, Retail and Dispensing. Apply, stating terms and with references, to T. Iliffe & Sons, Market Place, Nunceaton.

**QUALIFIED** Manager wanted for branch in Midland town; middle-class and industrial clientele. Applicants must please give full particulars of present position and three years' service immediately preceding, also state age and salary required, 175/18, Office of this Paper.

**QUALIFIED** Assistant wanted; short hours; no Sunday, Bank Holiday or other duty; half-holiday; permanency; easy berth; good salary. Apply in first place to Mr. C. H. Collins, Marlborough Villas, York.

**QUALIFIED** gentlemanly Assistant, well up in Dispensing and Family Retail; indoors; two others kept. Apply, stating when disengaged, salary, photo, and references, Stonham & Son, Maidstone.

**QUALIFIED** Assistant for Dispensing business in South of England, with good-class experience and able to take charge. State age, salary required, and references, to 176/5, Office of this Paper.

**RELIABLE** Assistant wanted as soon as possible; accustomed to first-class Dispensing business; outdoors; personal application preferred. H. J. Perrett, 90 Victoria Street, S.W.

**SMART** Junior required by Lewis & Burrows, Ltd. Apply, 146 Holborn Bars, E.C.

**T. BRIGHT**, Pharmacist, 168 Church Road, Willesden, N.W., requires a gentleman as Assistant (indoors) for Light Retail, Dispensing, and National Insurance Dispensing. Please state full particulars as to experience and other usual details, also salary required; staff—two Assistants and Proprietor.

**THE CALL OF THE COUNTRY** has taken First Assistant from Horton's Pharmacy, Chichester; a reliable energetic man, with good references, is required to take his place; must be expert Window-dresser and business-puller at Counter; easy hours; outdoors; good progressive salary to the right man. Photo and usual particulars to Horton, Chemist, Chichester.

**UNQUALIFIED** Assistant or Junior wanted in good-class Retail and Dispensing business. Apply, stating full particulars, to Gregory & Wrenn, Chemists, Taunton.

**UNQUALIFIED** Assistant, probably for duration of the war, in Light Retail business near Birmingham; outdoors; working hours 54½ per week; good wages; man ineligible for military service and used to N.H.I. Dispensing preferred. Rex Allen, Pharmacist, West Bromwich.



**UNQUALIFIED Assistant** wanted (outdoors) for suburban business; man ineligible for military service or capable woman preferred; hours 8.30 to 9. 10.30 Saturdays; two hours alternate Sundays; half-day weekly; one Assistant kept; no great amount of N.H.I. Dispensing. Particulars of experience, salary required, etc., to 178/15, Office of this Paper.

**UNQUALIFIED Junior Assistant** wanted for Counter and Dispensing. Photo and full particulars, Edgar Jones, Chemist, Brighton.

**UNQUALIFIED Manager** required immediately; London; state salary; unfurnished rooms on premises; sobriety and honesty essential; a conscientious man with a little knowledge of the trade would be instructed for the post; to ensure a speedy reply, applicants should kindly enclose an addressed envelope. Address communications to Manager, 1 St. Ann's Road, Notting Hill, W.

**WANTED, Junior or Improver** for high-class Retail and Dispensing. Apply, stating full particulars, references, salary, etc., F. Blackmore, 17 High Street, Weston-super-Mare.

**WANTED, two capable, experienced Juniors (outdoors)**, accustomed to high-class Dispensing and quick Counter, where qualified are kept; hours 8 to 8. Saturdays 10; one Sunday in three, 6.30 to 7.30, evenings only; one day a week off at 1 o'clock. State age, height, salary required, experience, when disengaged, Dixon & Sons, Chemists, East Grinstead.

**WANTED, qualified Assistant**, with view to management of Light Retail and Dispensing business; good prospects to a suitable man with tact and push; married preferred; near London. Full particulars first letter, "Rexall" (171/34), Office of this Paper.

**WANTED, Assistant (outdoors)** for good Retail and Dispensing business. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Broad Street, Seaford, Sussex.

**WANTED, Junior Assistant** for good-class Dispensing and Retail business; indoors; no N.H.I. work; some Photography. Apply, giving age, references, experience, and salary required, enclosing photo if possible, to B. Salter & Son, Chemists, Shrewsbury.

**WANTED at once, Junior Assistant**, unqualified, in Family Retail and Dispensing business; outdoors; knowledge of Photography. Apply, stating salary, to A. Elliott Sewell, Chemist, Huntingdon.

**WANTED at once, Junior Assistant** for old-established country business; outdoors. Apply, with full particulars, to Gostling & Co., Chemists, Diss, Norfolk.

**WANTED, soon as possible, trustworthy outdoor Junior** for Light Country Retail and Dispensing; easy hours. Please say when at liberty, salary required, age, and reference to last employer to N. S. Smith, Chemist, Coleford, Glos.

**WANTED at once, Junior Assistant**; used to Dispensing, Light Retail. Apply, stating age, height, references, wages required (outdoors), Page, Wilton, Salisbury.

**WANTED, one qualified and one unqualified Assistant**; indoors. Apply, with full particulars, to A. Milne, Montpellier, Cheltenham.

**WANTED at once, for good-class business in Cornwall**, an unqualified Assistant, either male or female. Apply, with references, to "M." (174/39), Office of this Paper.

**WANTED, a smart unqualified Junior** for a good-class business near London; easy hours. Apply, stating full particulars, to "Thymol" (174/16), Office of this Paper.

**£1 weekly and all Panel Dispensing fees offered to elderly qualified man** for very light duties; comfortable time. Apply by letter to "J. F.," 54 Camberwell Grove, S.E.

## WHOLESALE.

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**ANALYST**.—Senior Assistant wanted for Analytical Laboratory of Provincial Wholesale house; Pharmaceutical experience essential. Apply, with full details of age, qualification, salary required, etc., to 220/54, Office of this Paper.

**ASSISTANT** required (Junior), age about 17, for Tincture Laboratory. Apply, giving full particulars and wages required, to "Simplex" (230/20), Office of this Paper.

**CHIEF Clerk** wanted immediately; knowledge of the Drug trade essential; good Bookkeeper and used to general office routine; permanent and progressive position; also Assistants required for the Wets and Drys. State fully particulars, experience, salary required to Messrs. Hough, Hoscason & Co., Bridge Street, Manchester.

**CLERK (Junior)** wanted by Wholesale house (Surgical Sundries). Write, stating experience and age, salary required, etc., to 229/07, Office of this Paper.

**COUNTER Hands**.—Messrs. Burgoyne, Burbidges & Co., East Ham, E., still have a few vacancies for Wet and Dry Counter-men; good prospects for live energetic men. Apply, stating full particulars as to age and salary required.

**COUNTER hands** wanted in London house, with experience of either Wets or Drys; liberal and progressive wages. Apply, stating full particulars of experience and age, to 178/28, Office of this Paper.

**INVOICE Clerk**, experienced, wanted by old-established Wholesale Druggists. State experience, age, and salary required to 229/7, Office of this Paper.

**JUNIOR Clerk** for Despatch Department; must have some knowledge of Drug names. Particulars, age, and salary expected to 229/700, Office of this Paper.

**JUNIOR Invoice Clerk** required; must be quick and accurate at figures; previous experience absolutely necessary. Write, stating fullest particulars, to C. Harker, Stag & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, E.

**JUNIOR Wet-man** wanted. Apply, stating experience, wages required, etc., to R. Sumner & Co., Ltd., Wholesale Druggists, Liverpool.

**JUNIOR Clerk** for General Office work, Wholesale Druggists; must be used to Yost Typewriter, quick at figures, with experience of the trade preferred; salary £52 per annum. Apply, stating age, etc., to "S." (178/34), Office of this Paper.

**LABORATORY**.—Wanted at once, experienced man to manufacture Proprietary and Toilet Preparations. Apply, S. F. Goss, Ltd., Wholesale and Retail Chemists, 134 Kensington High Street, W.

**LABORATORY hand** wanted by C. R. Harker, Stag & Morgan, Devon Wharf, Mile End, E. State age, experience, and wages required.

**LABORATORY Assistants** required at once, with experience in manufacture of Tinctures preferred. Apply, stating full particulars as to age and salary required, to Burgoyne, Burbidges & Co., East Ham, E.

**LABORATORY**.—Experienced Assistant wanted for making Ointments, Syrups, and Chemical Liquors in London house; liberal and progressive wages. Apply, stating full particulars of experience and age, to 178/028, Office of this Paper.

**REPRESENTATIVE** required at once to call upon Doctors and Chemists for a well-known Manufacturing firm of Wholesale Chemists in Lancashire; previous travelling experience essential; permanency and excellent prospects for smart, energetic man. Apply, stating full particulars, salary required, to 176/18, Office of this Paper.

**REQUIRED** by a firm of Wholesale Druggists, a young man for Wet Counter; accustomed to putting up Oils and heavy goods. State wages and experience, 179/1, Office of this Paper.

**S.W. District**.—A Stock Assistant wanted, about 25 years of age. Please send particulars of experience and wages required to "Druggist," 1,226, Sell's Advertising Offices, Fleet Street, E.C.

**SALESMAN** required, on a salary and expense basis, for the sale of a Proprietary Article; must be well acquainted with Chemists and Grocers in the Midlands, and actually selling this trade successfully at the present time. Reply by letter, in confidence, stating age, territory covered, name of present and previous employer, and salary required, to Mr. C. R. Balzer, Atlantic House, Holborn Viaduct, E.C.

**TABLET Maker** (young and energetic) wanted; preference given to man with Chemical knowledge and experience in General Laboratory work; state details of experience, age, salary required; London house. Apply, "X. Y. Z." (225/68), Office of this Paper.

**TRAVELLER** wanted, with good connection in the Wholesale trade, London and country, for the sale of Glassware, such as Chemical, Laboratory, and Surgical Glassware, Druggists' Sundries goods; Opal Glass Cream and Ointment Pots, Stationers' Glassware, Machine-made Glass Bottles for Packets, etc. State experience and terms to 229/65, Office of this Paper.

**WANTED at once, a Junior Warehouseman**. State age, salary required, and what experience, Wm. Fox & Sons, Ltd., 109/113 Bethnal Green Road, N.E.



**W**ANTED, thoroughly competent Invoice Clerks for Wholesale Drug house in Liverpool. Apply, "G. W. S.," Box 73, Post Office, Liverpool.

**W**ANTED, Tablet hands and Improvers; also Pill hands. Apply, stating age, experience, and salary required, to "W. T.," c/o Gains & Co., 19 Moorfields, E.C.

**W**ANTED at once, men for Granulating work in the Tablet Department of large Manufacturing Company, London district. State experience and salary expected to 222/40, Office of this Paper.

**W**ANTED, gentleman, age about 25 years, experienced in Buying, Drugs, Chemicals, Instruments, and Sundries, for Export Merchant's office; one with knowledge of shipping preferred, and capable of handling correspondence. Apply by letter, stating experience and salary desired, to 227/65, Office of this Paper.

**W**ANTED, Laboratory hands, Wet Counter hands, and for Bottle Departments; Junior Assistants for all departments. Apply by letter, Manners & Hopkinson, 82 Southwark Bridge Road.

**W**ANTED immediately, Wet Counter Junior for Wholesale house. 230/8, Office of this Paper.

**W**AREHOUSEMAN (Under) and Despatch Clerk wanted for Wholesale Druggist; must have held similar position before. Write, stating experience and salary required, C. Harker, Staggs & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End, E.

**W**ET Room.—Wanted, a Junior Assistant by well-known Northern house; previous experience necessary. Apply, with full particulars in first letter, to "Barbitone" (229/53), Office of this Paper.

**W**HOLESALE Druggists' Sundries Department, Provincial House.—Smart Assistant as second hand; state age, experience, and salary required. Apply, 229/64, Office of this Paper.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d.** for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

**C**LERK wanted for service in Rhodesia; well educated; unmarried; age not over 32; Shorthand, Typewriting, and good Bookkeeping essential; applicants with knowledge of Chemists' accounts preferred; four years' agreement; salary £240, £260, £280, £300; second-class fare paid out. Apply by letter, stating age, experience, and enclosing copies of testimonials or giving references, to "Pharmacy," c/o Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C.

## SITUATIONS WANTED.

**1s.** for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

### [HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**A**N elderly qualified man open to an engagement; short hours; moderate salary for same; South-West London for choice. J. Pye, 33 Louisville Road, Upper Tooting.

**A**S whole or part time Assistant; London or near; yes, little over 40, but active and strong; good Salesman, Dispenser, etc.; disengaged about end February; interview where possible; unmarried. "Reliable" (171/22), Office of this Paper.

**A**S Supervisor of Poisons sales; Minor; 42; single; terms to suit. "Northlond" (175/26), Office of this Paper.

**A**SSISTANT, Manager, or Locum; experienced, competent, reliable; disengaged. "Chemicus," 29 Mardale Street, Shepherd's Bush.

**A**SSISTANT; 25; tall; Dispensing, Counter, Photography; Window-dresser; 8 years' experience; excellent references; disengaged. Apply, "Velox," 56 Castle Street, Bolton.

**A**SSISTANT; 5 ft. 10 in.; unqualified; outdoors; 32; West-End and Suburban experience; capable Manager; Counter, Photo, etc.; excellent references; disengaged shortly. "Salol," 39 Medora-Road, Elm Park, S.W.

**A**SSISTANT (25), unqualified, desires berth in London; N.H.I. Dispensing and Counter; disengaged. "Statim," 29 Keswick Road, Blackpool.

**A**SSISTANT; unqualified; 32; disengaged; good experience; Counter, Dispensing, and Photography; 5½ years' reference; outdoors. "C.," 35 Oakbank Grove, Herne Hill, S.E.

**A**SSISTANT, unqualified, 31, desires permanency; thoroughly experienced and reliable; smart Counterman and Prescriber; can take charge. "Salol," 16 Stamford Road, Longsight, Manchester.

**A**SSISTANT; 43; unqualified; disengaged. Thomas, Cumberland House, Abergele, N. Wales.

**B**RANCH Manager or Assistant; capable Salesman; London only; unqualified; single; abstainer; 42; 5 ft. 10 in.; all-round experience. "Hodie," 10 Alcearn Road, Clapton, London.

**B**RANCH Manager; qualified; shortly disengaged; Birmingham district preferred; long experience; smart Salesman, quick Dispenser; active worker; Extractor; Photography. 176/5, Office of this Paper.

**C**HEMIST; middle-aged; single; somewhat infirm; services in return for living expenses. "Useful" (175/260), Office of this Paper.

**C**OVER; elderly; good references; London preferred. Powell, 15 Shrewsbury Road, Forest Gate.

**D**ISENGAGED; experienced Manager, Assistant; 37; good references; unregistered. "Chemicus," 12 Pentonville, Newport, Mon.

**D**ISENGAGED; unqualified; tall; Dispensing, Counter, Photo; Midlands, Birmingham district preferred. Scholes, 48 Rugby Road, Leamington.

**D**ISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

**D**ISPENSER; qualified; Hospital, Doctor's, Dispensary. Irving, 66 Rowfant Road, Balham, S.W.

**D**ISPENSER or Assistant; disengaged to 3.30 p.m. Stovell, 4 Handforth Road, Brixton Road, S.W.

**D**ISPENSER; certified; free 10.30 to 5.30 p.m. Wednesday, Thursday, Friday, and Saturday. 178/32, Office of this Paper.

**E**LDERLY Pharmacist desires light employment, or as L.T.; Hampstead district preferred; moderate terms. 176/51, Office of this Paper.

**E**LDERLY gentleman (qualified) seeks position with light duties; supervise Dispensing, etc.; easy hours. Send full details to "Spatula" (178/21), Office of this Paper.

**F**EBRUARY 12.—Qualified; 33; capable, energetic; good Dispensing and Counter experience; London preferred. "Ferrum" (172/26), Office of this Paper.

**H**ANDY qualified man; 41; single; whole or part; reduced terms for permanency. "Service" (175/026), Office of this Paper.

**I**MEDIATELY.—Assistant or Manager; unqualified; thoroughly reliable Dispenser, Counterman, and Prescriber; highest references; Locum entertained. "A. B.," 39 St. Thomas' Road, Finsbury Park, N.

**J**UNIOR Assistant; unqualified; outdoors; 21 years of age; good experience in Light Retail, Photographic, and quick good-class business; fair Dispenser; good references. Apply, F. D. Curran, 2 St. Sampson's Square, York.

**J**UNIOR; 20; height 5 ft. 10 in.; good Dispenser; London preferred; indoors; good references. Lewis, 93 Llewelyn Street, Pentre, Glam.



**L**ADY Dispenser (Hall), Bookkeeping, experienced in Checking and Pricing N.H.I. Prescriptions, desires post; good references. 172/25, Office of this Paper.

**L**ADY Dispenser (Hall qualification) seeks post in Doctor's Surgery or Institution. Miss Fox, 21 Erlanger Road, Hatcham, S.E.

**L**ADY (Minor); good Dispensing experience; Retail and Photography; disengaged. 175/2, Office of this Paper.

**L**OCUM; qualified; abstainer; reliable; living expenses only; London. 164/38, Office of this Paper.

**L**OCUM or temporary; day, week, or longer; town or country; varied experience. Burton Middleton, M.P.S., 19 Applegarth Road, Brook Green, W.

**L**OCUM; disengaged; Wednesdays and Fridays; trustworthy. "Qualified," 116 Galloway Road, Uxbridge Road, W.

**L**OCUM; qualified; days, weeks; Hospital or Pharmacy; abstainer; excellent experience; disengaged. "Bermondsey" (178/38), Office of this Paper.

**L**ONDON.—Experienced Assistant, 39, married, speaking fluent French, seeks post as Senior; Continental and London experience; good references. 175/5, Office of this Paper.

**M**ANAGER; capable man; middle-aged; low salary; single. 26 Belsey Place, Newcastle-on-Tyne.

**M**ANAGER; qualified; experienced; good Prescriber and Counterman; excellent references; married; disengaged February. 172/22, Office of this Paper.

**M**ANAGER, Senior, or Locum; qualified; married; middle-aged; excellent experience and references; London or district; disengaged. 171/16, Office of this Paper.

**M**ANAGER or Locum; qualified; 44; all-round experience. "Aspirin," 2 Chapel Street, Tavistock.

**M**ANAGER or Assistant; exceptional experience, London and country; Dispensing, Prescribing, Optics (test for Astigmatism); Dental Operator, skilful, good Impressions; own instruments, etc.; excellent references. "C. S.," 20 Marsland Street, Great Cheetham Street, Higher Broughton, Manchester.

**M**ANAGER; qualified; 50; 5 ft. 8 in.; excellent references; disengaged. "Calox," 54 Sefton Street, Southport.

**M**ANAGER; qualified; married, live on premises; Photography, Insurance Dispensing. 174/22, Office of this Paper.

**M**ANAGER; outdoors; qualified; good all-round; entertain purchase; N.H.I., Salesman, quick Dispenser. 174/3, Office of this Paper.

**M**ANAGER; qualified; West-End experience; excellent references. "H.," 555 Battersea Park Road, S.W.

**M**INOR Student; Part-time berth, London or provincial town with Pharmacy School; 10 years' experience; N.H.I. qualification. 178/33, Office of this Paper.

**P**ART-TIME; wide experience; reliable; highest references. "Podophyllin," 9 Stanlake Villas, Shepherd's Bush, W.

**P**ART-TIME, evening preferred; qualified; London or large town. 174/7, Office of this Paper.

**P**ART-TIME, evenings; first-class Dispensing experience; unqualified. "Chrome," 398 Clapham Road, S.W.

**P**ERMANENCY or Locum; tall; unqualified; 35; married; good all-round experience "Statim," 53 Cantelupe Road, East Grinstead.

**P**ERMANENCY or otherwise; 41; qualified; Liverpool district; good references and experience. 175/22, Office of this Paper.

**Q**UALIFIED; Locum, three or four days weekly, or temporary or permanent Manager; outdoors; London or Suburbs. Lindley, 6 Albion Avenue, Harlesden, N.W.

**Q**UALIFIED, M.P.S., 24, requires situation; Manchester district; three or four days per week. Lea, Gill Bent Road, Cheadle Hulme.

**Q**UALIFIED; age 59; five or six hours daily; varied experience; London or Northern Suburb on G.N.R. 172/19, Office of this Paper.

**Q**UALIFIED Assistant seeks berth; 24; tall; outdoors. "Neon" 171/23, Office of this Paper.

**Q**UALIFIED; good all-round experience; disengaged; outdoors; London preferred. "Ads." (166/28), Office of this Paper.

**Q**UALIFIED; Locum, permanency; 36; married; Counter, Dispensing; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

**Q**UALIFIED; Manager; reliable, experienced. "Ph.C.," 113 Plashet Grove, East Ham, E.

**Q**UALIFIED; as Assistant or Manager; many years' experience, both in London and country; middle-aged; excellent references. Scholey, Burnham Market, Norfolk.

**Q**UALIFIED; 21½; good experience of middle and working class trade; N.H.I. Dispensing; Nottingham or district. 176/29, Office of this Paper.

**Q**UALIFIED; Manager; married; first-rate experience; trustworthy; good Counterman and Prescriber; permanency. 176/28, Office of this Paper.

**Q**UALIFIED; Branch Manager; good all-round experience; could introduce Optics on commission basis; South or West Coast preferred; age 40; temperate habits; £5 5s. (outdoors). 178/16, Office of this Paper.

**Q**UALIFIED; 27; first-class London, South Coast, Continental experience. "Aconite," 398 Clapham Road, S.W.

**Q**UALIFIED; elderly; disengaged four days weekly; excellent references. "B.," 3 Barrow Road, Streatham Common, S.W.

**S**MART Junior, gentlemanly, well educated, Welsh-speaking, 4 years' good experience in high-class Pharmacy, thoroughly reliable, highly recommended, desires situation with good-class Dispensing Chemist; disengaged end of January; large town in South Wales preferred, not essential. 172/24, Office of this Paper.

**U**NQUALIFIED; City, West End preferred; experienced; 25; tall. "C.," 31 Banington Road, Brixton.

## WHOLESALE.

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**A**CTIVE Manager; 37; Galenicals, Proprietaries, Toilets, Chemicals, etc., also finishing-off; Wholesale or Retail; London or near. "Energy," 6 Hercules Road, Westminster, S.E.

**A**DVERTISER; 16 years' sound Wholesale experience, manufacturing Galenicals, Proprietaries, Toilets, etc.; well recommended; Lancs or Yorks preferred. "J. H. M.," 4 Summer Road, Netherton, near Huddersfield.

**A**DVERTISER (lady), has sound knowledge of Invoice and Statistical Department of Manufacturing house, undertakes Sales, Analyses, 8 years' experience, able to take charge, seeks situation in similar capacity; disengaged. 178/31, Office of this Paper.

**C**HEMICALS, Drugs, Oils, etc.—Advertiser, having sound connection, adequate capital for own business, and valuable agency, desires Arrangement or Partnership with established firm; view mutual extension of trade and economy expenses. 170/28, Office of this Paper.

**D**UTCH Assistant (22) desires engagement; wide experience, Wholesale treatment and Manufactory; good references. Letters, "J. I.," c/o de Bruijn, Bookseller, Apeldoorn, Holland.

**S**ITUATION required; Chemist and Drug Stores, or Wholesale Druggists; Labelling and Packing shop stock, Drugs, Perfumery, Sandries; female; 8 years' experience; good references. "M.," 79 Stanley Road, Ilford.

**T**HOROUGHLY experienced Wet Room Assistant desires change. 175/29, Office of this Paper.

**T**RAVELLER, large Wholesale connection in Toilet Brushes, desires suitable Side-line. R. A. Shortland, 12 Lynton Road, Chorlton-c-Hardy, Manchester.

## SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependents, or elsewhere abroad.

**A** YOUNG Scotsman would like situation abroad, America or Australia preferred. "Yae," 111 Norroy Road, Putney, S.W.



## Refugee Belgian Pharmacists.

This section is devoted to the announcements of Belgian confrères at present in this country. We shall be pleased to insert gratis announcements of a similar character from others who are seeking situations in the Drug trade.

Cette section est réservée pour les annonces des confrères belges qui se trouvent actuellement dans ce pays. Nous serons heureux d'insérer gratis des annonces semblables de ceux cherchant des places dans le commerce des drogues.

**ANALYTICAL Assistant.**—Advertiser, who holds the diplomas in Chemistry and Electricity of the Ecole Industrielle at Antwerp, requires a position in England until the end of the war; disengaged February 1; London references; has an intimate acquaintance with German scientific literature. J. Edmond Aps, c/o Mr. Scholes, Oxo, Ltd., 43 to 51 Park Street, Southwark, London, S.E.

**BELGIAN Chemist**, established in Brussels, having represented German Specialities, wishes to replace same by English Patent Medicines. Address, Discelez, 4 Bitton Crescent, Teignmouth, Devonshire.

**BELGIAN Refugee** (from Antwerp), qualified Pharmacist, with Wholesale experience, desires employment in English Pharmacy or Wholesale house (preferred); speaks English, French, and Flemish. Address, Jules Herman, 17 Alfred Street, Bath.

**MERCHANT-EXPORTER** (Belgian Refugee), many years' experience in the Export of Drugs, Chemicals, and Druggists' Sundries to South America, desires situation in Wholesale or Manufacturing house in London or large Provincial town, or as Representative in South America; speaks and corresponds in French, Dutch, English, and Spanish. Address, R. De Roubais, 105 Burnt Ash Hill, Lee, S.E.

**PHARMACIST**, whose Pharmacy at Aerschot has been destroyed, desires situation in London; Retail or Wholesale; speaks English, French, Flemish, Dutch. Address, E. Ingebos, 10 Evelyn Mansions, Queen's Club Gardens, West Kensington.

**PHARMACIST**, Belgian refugee, Chemical expert and technical ex-director of Laboratories in Brussels, desires to get in touch with Manufacturers of Chemical products and Laboratory, Medical, and Surgical Apparatus with a view to Representation in Belgium and in France after the war. Address, T. Debin, 83 St. Giles' Street, Northampton.

## MISCELLANEOUS.

**SHOP-FITTINGS.**—Complete set, ready for use; 12-ft. Drug Fitting, Bevelled Glass Labels and Knobs, Lockers, Shelving, and Cornice; 10-ft. Plate-glass Front Serving Counter, with Label Drawers, Till, Paper Drawers, etc.; 6-ft. Bent Plate-glass Counter Showcase; Perfumery Showcase and Desk; elegant 7-ft. Dispensing Screen, Mirror Centre, Sponge Case and Glass Cases under; 5-ft. Mahogany Piano-shape Wall Case, very fine Display Case; 5 dozen Recess Labelled Bottles, 12 Ungt. Jars, Poisons, Lozenge Jars, etc.; 60 guineas complete; great bargain. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

**SECOND-HAND Chemist's Fittings.**—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**BEST** cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S.E. Hackett, 23 July Road, Liverpool, E.

**McQUEEN'S** A.B.C. System of Accounts; works out profit and loss account, income-tax return, etc., with guaranteed certainty; heavy war-tax and greater insistence in payment must be anticipated; poor bookkeeping may prove costly. Full particulars and testimonials free from McQueen & Co., Moat Road E., Leicester.

**B.P., 1914,** 10s. 6d. net cash; postage 5d., two copies 6d., three 7d.; abroad 9d. each; previous offers withdrawn. New and second-hand Books in every department of literature; Chemists' and Students' requirements a speciality; buyers, please name wants, when prices will be quoted. Stirling's Aids to Minor and Apothecaries' Examinations are indispensable, and save College fees; descriptive list free. Gower, Pharmaceutical Bookseller, 41 Voltaire Road, Clapham, London.

**BUSINESS as Usual: Great War Reductions.**—H. Mills, the Chemists' Shopfitter, has a large stock of second-hand modern high-class Drug Fittings, Dispensing Screens, Counter Cases, Glass-fronted Counters, Wall Cases, etc.; absolute bargains; suitable for large Stores or Chemists commencing; cheapest house for modern Shop-fronts, Improvements, Window Enclosures, Glass Shelves; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Facia Works, 163-5 Old Street, London, E.C. Phone 550 London Wall.

**8/- JAY MACK'S LEDGER**  
gives essential details of Income and Exes. in 10 Minutes weekly for 4 years.  
On approval 4 days on receipt of P.O. or Cheque:  
Post Free. 7/- refunded if returned safely.  
**MACK-IVOR,** Hightown, P.O. CREWE.  
**Or AYRTONS; EVANS; THOMPSONS, Liverpool.**  
BOOKING FEE if returned.

**£2 FOR NOTHING**  
"Since showing your Soldiers' Wants Cards," writes a Yorkshire Chemist, "I have sold over £2 worth of miscellaneous soldiers' requirements." The cards cost him nothing; as a buyer of Talking Cards he got them free. You can get them in the same way or buy them for 2s. 6d. the set of three; carriage paid. Send P.O., or write for details.

**BROMLEY, Chemist, Whetstone, Middlesex.**

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.  
No advertisement inserted for less than 6d.

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## FOR DISPOSAL.

### DRUGS AND CHEMICALS.

250 1-cwt. kegs potass. oxalas neutral, what offers? 115 Vicar Lane, Leeds.

3 oz. santonine, 15s. per oz.; first offer. Fisher, Chemist, Orchard Street, Preston.

2 oz. cocain. hel., 9s. 6d.; 1 oz. santonine, 10s. 6d. or offer. 174/17, Office of this Paper.

23 1-oz. bottles pyrogallie acid, German make; what offers? Bath Drug Co., Bath.

### MISCELLANEOUS.

**WATER-BED**, in good condition, 70 in. by 35 in.; first reasonable offer secures bargain. Fereday, Cheslyn Hay, Walsall.

**WHAT offers?** lanoline, hydrous, anhydrous, potass. permang., glycerin, 56-lb. tins; starch pdr. No. 1; aniline dyes, 10 kinds; ½ lb. each. Matthew, 529 Battersea Park Road, S.W.



**WANTED.**

WANTED, small printing outfit for printing small labels. Du Sart, Lewes, Sussex.

WANTED, shop-soiled or second-hand Turkish bath cabinet, for cash. Dalton, Danebridge, Northwich.

RADIOPTICIANS.—Butcher's series 431 or 441, electric and acetylene; perfect condition. Lowest prices, Maunders, Taunton.

WANTED, "Kelly's Directory, Chemists and Druggists," 1912. State condition and price to Matthews, Chemist, Clifton, Bristol.

RADIUM applicators (damaged). Glew, Chemist and Radiographer, 156 Clapham Road, London.

WANTED, folding and vest-pocket cameras, also prism binoculars, any quantity, for cash. Full particulars to Watson's, 84 High Street, Sheffield.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

**Trade Topics in Manchester.**

A MEETING of the Manchester Pharmaceutical Association was held at the Albion Hotel, Manchester, on Wednesday, January 13, at 3 p.m., Mr. James Grier, M.Sc. (President), in the chair, about fifty members being present. Mr. Woolcock (Secretary of the Pharmaceutical Society), Mr. J. Rymer Young, Mr. Scholes (Eccles), Mr. Lewis, and Mr. Simmonds (Salford) also being present. After a few remarks from the Chairman, Mr. F. W. Bates (Vice-President) introduced a discussion on *Trade Topics*. He dealt with such subjects as the supply and sale of laudanum, dealing particularly with the mixture called "All Fours," "Laudanum, Paregoric, Aniseed, and Peppermint," and said it would be far better if a standard could be arrived at as regards the proportion of the various ingredients. Some chemists supplied one thing and some another. He had recently come across cases where six of this mixture was being supplied at 4d., and in other instances unqualified stores were supplying this mixture sine opio, and giving even larger quantities, and he thought now was an opportune time to standardise somewhat the quantities for this mixture. He also asked the members present as to whether the Insurance Act had been the means of increasing their dispensing work. He dealt with the dearth of apprentices, and thought girl labour might be employed to advantage. He would like the opinion and experience of those present on the question. The Belgian Refugee Pharmacists' Fund, early closing, opening of various proprietary medicines for sale in pennyworths, right of wholesale chemists to cancel contracts on account of the war, a suitable formula for the making of hartshorn and oil, and whether it is permissible to dispense bismuth carbonate when bismuth subnitrate is ordered along with sodii bicarb. owing to the chemical action were other matters dealt with.

Mr. Grier said, in respect to the apprentice question, his experience was that there is a considerable increase in lady students, but in the pharmacy section all the ladies seem to wish to act as dispensers to institutions in preference to going into the retail. He did not agree with the idea of substituting bismuth carbonate in a prescription, as when a doctor ordered bismuth subnitrate with sodium bicarbonate he took it that the doctor intended to prescribe a freshly precipitated bismuth carbonate, resulting from the chemical action which took place.

Mr. J. Rymer Young spoke on the present general situation, and explained his views as to what was the proper course to take with regard to the sale of laudanum. In regard to the employment of female labour in pharmacies, he was quite in favour of it, within certain limits. Respecting early closing, he said there was a great and deplorable lack of unanimity among chemists in general, and there was always that pitiable fear that his neighbour, by keeping open a little longer, might be robbing him of some trade. If they all closed earlier they would be brighter and better men, and none the poorer.

Mr. Harry Kemp spoke on the various questions raised by Mr. Bates for discussion, and in respect to Insurance dispensing said the time would come, and before very long, when the chemist would get all the dispensing, as the rich and poor alike would only have their prescriptions dispensed by qualified chemists.

Mr. W. H. Delve dealt mostly with the early-closing problem, and advised chemists to unite more and make a determined stand for shorter hours.

Mr. Bell said he found the very persons who came the latest were those people who were always agitating for shorter hours.

Mr. Woolcock said he is to appear before the Association in February, but the discussion had been so interesting that he could not resist a few words. He dealt with the laudanum question, and particularly appealed for the Belgian Refugee Pharmacists' Fund. Leeds Pharmaceutical Association had been very generous indeed, and subscribed over 50%, and he was sure Manchester pharmacists would do their best for the Belgian pharmacists and medical men. He explained what the Committee in London had done for the refugees.

Mr. Mallinson spoke on the sale of laudanum and the need for a new kind of Poison Register, which would overcome the difficulty of one purchaser being able to see what a previous purchaser had been supplied with. He said he was particularly glad to see Mr. Woolcock among them that afternoon, and he proposed a hearty vote of thanks to Mr. Woolcock for his coming to the meeting and for his advice.

Mr. Delve seconded the vote of thanks.

With regard to the proposal that there should be a standard formula for "All Fours," Mr. F. W. Bates proposed that the Association's Council be empowered to deal with the matter.

Mr. J. Cleworth seconded, and this was agreed to.

**New Books.**

Any book published in the United Kingdom can be supplied to our subscribers at the price quoted. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Lucas, E. W., and Stevens, H. B. *Book of Pharmacopœias*. 7½×4½. Pp. 524. 7s. 6d. net. (J. & A. Churchill, 7 Great Marlborough Street, London, W.) [A new work containing the formulas of the British, United States, French, Italian, and German Pharmacopœias and of various unofficial works. Altogether there are about 5,000 formulas. A new plan has been followed in compiling the work. The name of the preparation—e.g., acetum scillæ—is followed by the equivalents in the various languages; beneath, on the left-hand side, the ingredients are given, and then the quantities in columns headed with the initials of the several formularies quoted from. The weights and measures are imperial, with the proviso that in the case of Continental formulas both solids and liquids are weighed. At the end is a list of processes employed in making liquid extracts or tinctures, which are referred to by letters in the body of the work. There are also a list of the names of materia medica in various languages, alcohol and thermometric tables, and weights and measures equivalents. An index enables the reader to turn up the formula under the name by which it is known in the country of origin. The work is excellent as a reference-book for pharmacists with an international trade, or those who are interested in comparing the various recipes for galenic preparations.]

Luff, Arthur P., M.D., F.I.C., and Candy, Hugh C. H., B.A., F.I.C. *A Manual of Chemistry, Theoretical and Practical, Inorganic and Organic*. Adapted to the Requirements of Students of Medicine. With sixty-two illustrations. 6×4. Pp. 660. Fifth edition. 8s. 6d. net. (Cassell & Co., Ltd.) [Arranged in six sections—viz.: Part I.—Introduction to the Study of Chemistry. Part II.—Inorganic Chemistry: the Non-metallic Elements. Part III.—Inorganic Chemistry: the Metallic Elements. Part IV.—Organic Chemistry. Part V.—Chemical Problems. Part VI.—Practical Chemistry. This is a new and enlarged edition of a well-known text-book, the first edition of which was published in April 1892; since then there have been four editions and seven reprints. The introductory portion deals with elementary and physical chemistry and the periodic classification of the elements. The arrangement of the inorganic chemistry is based on the periodic system. The portion devoted to organic chemistry deals with general principles, ultimate analysis, classification, hydrocarbons, alcohols, polyhydric alcohols (carbohydrates, etc.), aldehydes and ketones, acids, and cyanogen and aromatic compounds, in the above order. Under Practical Chemistry the preparation of salts and qualitative and quantitative analysis are dealt with. The matter is well arranged and clearly explained. The volume is well illustrated, and a comprehensive index is provided. Although primarily intended for medical students, it covers well the ground that students of pharmacy must traverse.]



## Belgian Refugees.

THE President of the Local Government Board (Mr. Herbert Samuel) has appointed a Commission to carry out the recommendations of the recently issued Report of the Departmental Committee which has had under consideration the problem of providing occupation for Belgian refugees. The Commission is composed of the following members: Sir Ernest Hatch, Bart. (Chairman), Chairman of the Departmental Committee; Sir T. H. Elliot, K.C.B., formerly Secretary of the Board of Agriculture and Fisheries; Baron C. Goffinet, Envoy Extraordinary and Minister Plenipotentiary of the King of the Belgians, at present on a Government mission in London; Mr. Arthur Henderson, M.P., Chairman of the Parliamentary Labour Party; Miss Susan Lawrence, a member of the L.C.C.; M. Charles Lejeune, President of the International Maritime Committee of Antwerp; the Earl of Lytton; Sir T. Vezey Strong, K.C.V.O., a former Lord Mayor of London; with Mr. H. A. Leggett, of the Local Government Board, as Secretary.

The Belgian Chamber of Commerce in London, 24 St. Dunstan's Buildings, St. Dunstan's Hill, E.C., appeals to British manufacturers and merchants for support. After the cessation of hostilities they will have very important duties to perform in helping the commerce of the two countries, which are now bound up more than ever in ties of mutual trust and friendship, by bringing together manufacturers and buyers of goods, and in many other ways. But they find great difficulties in carrying out their duties through lack of funds, as the call upon them has been greater than ever before, and their Belgian supporters are unable now to send their usual remittances.

Although several refugee pharmacists may still be in this country who have not obtained suitable employment, it is apparent from the falling-off of inquiries that many have. Our recent callers included Mr. Albert Van de Weyer (who has since written to thank us for putting him in the way of the berth he has secured), Mr. A. André (of A. André & A. Antoine, Boulevard du Midi, Bruxelles), and Mr. C. Belckx (formerly of Antwerp). Mr. Belckx came to thank us for being the means of securing a situation for him with a well-known pharmacist in Tunbridge Wells. Mr. J. Debin, a pharmacist and expert chemist, who was formerly technical director of a laboratory in Brussels, would like to get in touch with makers of chemical-products and laboratory and surgical apparatus and specialties. So would Mr. E. Dixlez and Mr. Jules Herman. Mr. Dixlez is living at Teignmouth and Mr. Herman at Bath. We have had an interesting talk with Mr. Herman, who speaks English almost as fluently as French and Flemish. He is anxious to get a post in a pharmacy or wholesale house which will keep him occupied until he can return to his native country. He would prefer a wholesale house if possible. Mr. J. Edmond Aps was for eight years a chemist in the laboratory of the Liebig Co. at Antwerp, and left that city rather than sign the declaration required by the Germans of the old Civic Guards. He is now in London, and his scientific education and commercial experience would be useful in a manufacturing business. Besides French and Flemish he knows English and German. Offers of situations to Belgians with the necessary experience have been received by us from a firm of manufacturing-chemists in London, and from a Midland firm specialising in electrical goods. The London firm want an assistant in their tincture department, and the Midland firm are looking for a Belgian with practical knowledge of the manufacture of pocket flash-lamps. Can any C. & D. readers assist?

During the week ending January 12 further subscriptions to the Belgian Doctors' and Pharmacists' Relief Fund have been received from pharmacists, among them being one from the "National Druggist," of St. Louis, U.S.A. Among those who have joined the General Committee recently may be mentioned Sir Thomas Barclay, Sir William Milligan, Professor Kynoch, and Professor Munro Kerr. A meeting of the Executive Committee was held on January 7, when the question of opening up communication with Belgium for the purpose of ministering to the wants of the Belgian doctors and pharmacists was discussed in the light of information received from the United States, where a similar fund has been started. An American Committee of medical men will operate through the International Commission for Relief in Belgium, and

will have packages, prepared by instrument-makers and pharmaceutical houses of the United States, shipped for distribution in Belgium in a similar manner to that adopted by the British Fund. A meeting of the Sub-Committee empowered for the present to make emergency grants was held on January 8, when Dr. Clement Philippe attended to represent the Belgian Medical Society in London, and submitted the details of various cases to which grants were made. Among the subscriptions from pharmacists are the following:

	£ s. d.		£ s. d.
S. R. Atkins	1 1 0	"Anon y m o u s,"	
"K. H."	1 1 0	W.C.B.	0 10 6
J. Parrott	1 1 0	C. Umney (second contribution)	3 3 0
A. I. Robinson	0 5 0	The "National Druggist," St. Louis, U.S.A.	5 0 0
I. Bourdas	5 0 0	W. H. Quarrell	1 1 0
"Sterilla"	1 1 0	M. Cashmore	1 1 0
Maw, Son & Sons	5 5 0	Curtis & Co.	2 2 0
Leeds Chemists' Association (further contribution)	0 10 6	Potter & Clarke	2 2 0

Subscriptions to the Fund may be forwarded to Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C.

The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C., proprietors of "Sanaphos," have devised a scheme to benefit the Belgian Doctors' and Pharmacists' Relief Fund, as an expression of gratitude for the valuable assistance which has been received from the medical profession by their recommendations of Sanaphos. For four weeks commencing January 13 a portion of the total sales will be devoted to the fund. At the end of each week the company will contribute a sum representing 1*l.* on every 1*s.* tin, 1*d.* on each 1*s.* 6*d.* tin, 3*d.* on every 2*s.* 6*d.* tin, and 6*d.* on every 5*s.* tin of Sanaphos which they have sent out during the week. The allocation of this money will be controlled by the auditors of the company, and the directors guarantee that the total amount thus contributed shall not be less than 150 guineas. There is a promise that if the results show that the scheme is appreciated, it may be continued.

## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

### Monday, January 18.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Dr. F. Mollwo Perkin, F.I.C., on "Oils, their Production and Manufacture" (Cantor Lecture I.).

### Wednesday, January 20.

Birmingham Pharmacists' Association, Grand Hotel, at 6.30 P.M. Whist-drive and supper. Tickets (4*s.* each) from the Hon. Secretary.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Dr. Chas. Singer, "Notes on the History of the Microscope."

Nottingham Pharmaceutical Association, Flying Horse Hotel, at 9 P.M. Mr. J. T. Robson on "The New Phase of Patent-medicine Advertising."

### Thursday, January 21.

Royal Institution of Great Britain, Albemarle Street, London, W., at 3 P.M. Dr. H. G. Plimmer on "Modern Theories and Methods in Medicine" (Lecture I.).

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 P.M. Among the numerous papers to be communicated are the following: "The Copper, Potassium, and Silver Derivatives of Guanidine," by Mr. H. Krall; "Studies in Alcoholysis, Part I.," by Mr. G. K. Kolhatkar; "Nitrites of the Sulphonium Series: Trimethyl and Triethyl Sulphonium Nitrites," by Dr. P. C. Ray.

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 8.30 P.M. Discussion on "The British Pharmacopoeia, 1914," opened by Mr. R. R. Bennett, B.Sc.

### Friday, January 22.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Professor Sir James Dewar on "Problems of Hydrogen and the Rare Gases."

CARDIFF PHARMACEUTICAL ASSOCIATION.—A whist-drive in aid of the Belgian Doctors' and Pharmacists' Relief Fund will be held on January 27 at Woolworth's Café. Tickets (2*s.* 6*d.* each) from Mr. Fred Lea, Hon. Secretary, 238A Cowbridge Road, Cardiff.

WEST HAM ASSOCIATION OF PHARMACISTS.—The annual dinner will be held at the London Tavern, Fenchurch Street, London, E.C., on February 11. Tickets (5*s.* each) from the Hon. Secretary, Mr. A. H. Cleland, 180 High Road, Leytonstone, N.E. The profits will be given to the Belgian Doctors' and Pharmacists' Relief Fund.





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